Log of Well

	Depth,	feet	A. A. Carrier and A.
F	rom	То	Description of Material Drilled
	2	<b>5</b> -	5/11 lonn
	5	8	Sand (madium
عے_	3	40	Genel medium
		÷	
	•		
-			
-			
	<del></del>		
-		<del> </del>	
<u> </u>			
-		<u> </u>	
-	<del></del>	<u> </u>	
-	<del></del>		
100	<u> </u>		
	<b>3</b>	na files na cordes Depur	
	1000	W	
<u>~</u>  %	-   5	The state of the s	
× - × -		S W S W	
%		recented and little an	
		N S C C C	
		WART	
High		rec of Fey	

\_\_\_\_casing\_\_\_\_

10. The estimated amount of groundwater withdrawn each year...one..million.gallons.....

11. The log of formations encountered in the drilling of each well if available..... No. l - gravel and qucksand ....No. 2 - gravel

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

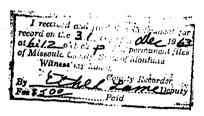
Signature of Owner Victor 2

Date...... December ... 13, ... 1963....

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of 20292 Mines and Geology, and Quadruplicate for the Appropriator.



· 人名英格兰 医阿里克斯氏 经营业

3000

A control of the cont

ເົ	-Helena Independent Record		
File	No		T 121 NR 21 W
DUI	PLICATE		County
			FATE OF MONTANA
	ADMII		TOR OF GROUNDWATER CODE DECE TO THE CODE DECT TO THE CODE DECE TO THE CODE DECE TO THE CODE DECE TO THE CODE
	•		JAN 3 sned
	Declara	tion of	Vested Groundwater Rights
	(Under	Chapter	237, Montana Session Laws, 1961) TATE ENGINEER
1 <b>h</b>	largueritte L. Miller	***************	, of Rt. #2, Grass Valley, Missoula (Address) (Town)
	(Name of Appropriate	or)	(Address) (Town)
	have appropriated groundwater lows:	accordir	State of Montana ng to the Montana laws in effect prior to January 1, 1962, as fol-
	N	9	The beneficial use on which the claim is based
		4,	Livestock water and household
_		3.	Date or approximate date of earliest beneficial use; and how con-
_			tinuous the use has been
w  -			
-		4.	The amount of groundwater claimed (in miner's inches or gallons
ŀ	<del></del>		per minute) 100 gallons per minute
-	<del></del>		
Ļ	<u> </u>	5.	If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner
			thereofnot_applicable
V.u.	) 4/62 Sec. /3. T/4 R2/		
	dicate point of appropriation d place of use, if possible.		The means of withdrawing such water from the ground and the
Eε	ach small square represents 10	0.	location of each well or other means of withdrawal
ac	res.		mechanical pump
7.	drawal of groundwater Well	lband	tion of the construction of the well, wells, or other works for with- axcavated approximately 1862. Other
	other works for the withdrawal	of grou	size and depth of each well or the general specifications of any ndwaterHandexcavatedwell18inches.in
d:	iameter. Approximatel:	y251	est in depth, cased with 18 inch C. H.P
W(	echanical pump lest us	be	rectronical homis recent recontribution
	•		
10.	The estimated amount of groun	dwater	withdrawn each year15,000 gallons per year
11.	The log of formations encounter	ed in th	e drilling of each well if availablenotavailable
	***************************************	·····	
	***************************************		
12.	Such other information of a sim reference to book and page of a	ilar nat ny coun	ure as may be useful in carrying out the policy of this act, including ty record
	***************************************	**************	
			Signature of Complete was The I This is
			Signature of Owner Congressites 1 Medical
			Date 27, 1963
ጥኤ	was sanios to be filed by the own	or with	the County Clerk and Recorder of the county in which the well is

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

671

215051

I received and find the instrument for record on the pay of the instrument for record on the pay of the instrument files of Niesoula County, State of Montano Witness my hand:

MARTIN & BEHNER County, Recorder By Martin & Paid Deputy
Fee Salth Paid

Charles to the second s

		<b>~</b> 12
;	Approved Stock Form-State Publishin	,
le No	<del>-</del> "	14 N R 21 W
UPLICATE	Co	ounty Missoula
	STATE OF MONTANA	
off	TRATOR OF GROUNDWATER CODE	WECE IN EU
Declaration o	f Vested Groundwater Ropter 237, Montana Session Laws, 1961)	ights
(Under Chap	oter 237, Montana Session Laws, 1961)	STATE ENGINEER
		B#A 4 -
. Waldo W. & Dorie Williams (Name of Appropriator)	of 1953 South 30th, (Address)	(Town)
County of Missoula	State of Montana	
have appropriated groundwater according	g to the Montana laws in effect prior to	January 1, 1962, as follows:
	2. The beneficial use on which the claim plumbing fixtures and washing	is based for operating of ag of trucks and equipment
	3. Date or approximate date of earliest ous the use has been 1958 and 90	istant use since that
F		time
	4. The amount of groundwater claimed per minute). 85 gallons	
	por managory	
	5. If used for irrigation, give the acres to which water has been applied a not used for tw	nd name of the owner thereof
1/SET Sec. 13 T.14 R21		.,
dicate point of appropriation	4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	***************************************
nd place of use, if possible. Each and square represents 10 acres.	6. The means of withdrawing such water	_
ract in S.W. & S.H	tion of each well or other means of will notated in well house over t	he well, approx. 180
	letion of the construction of the well, w. Drilled well with 6 in. casing	vells, or other works for with-
3. The depth of water table25 to 99.	feet	
2. So far as it may be available, the typ works for the withdrawal of groundwate	e, size and depth of each well or the ge	neral specifications of any other and has a depth of
·····about-90-feet,-water-is-pu	mped by the use of an electric ]	pump.
***************************************		
	withdrawn and war 250,000 nalle	
D. The estimated amount of groundwater	•	
	noil, clay and gravel	
4	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	ture as may be useful in carrying out ty record	
	· · · · · · · · · · · · · · · · · · ·	de (1) Williams
		2-27-63
Three copies to be filed by the owner with th		,
Please answer all questions. If not applicab	le, so state, otherwise the form will be ret	urned.
Priginal to the County Clerk and Recorder;		
fines and Geology, and Quadruplicate for the	e Appropriator.	1998

1 received and find this flotrement to receive the product of the particular to the particular than the pa

DECEIVE MAR 31 1958	n
UU <sub>МАК ЗЭ 1958</sub> Ц	ע
CTATE THOMES	_

	Count	7 Missella
MONTAN STATE ENGINEER	IA BUREAU OF MINES AND GEOR Butte, Montana	OGY
מוֹשׁבּיים בוויםווויבבון	WATER WELL LOG	
Owner $(\hat{9})$	ack) Hismen, by as	R2 Messoule
Driller	A A .	aress arker mont
Date Started		to Completed Felt 24- 1952
Location: Sec.	13 T IF N R 21W 4 Sec.	
Type of well Drillad (D)	mestic Faulpment used	<b>x</b>
(Dug. driven, bore		(Churn drilli, rotary, other)
Water use: Domestic	Municipal Stock	Irrigation
Industrial		······································
Casing: 0 146		Size
Casing:ft, to	11. Туре	Size
Casing:ft. to	ft. Type	Size
Perforated or Screened: Ft	to It Ft	to 1t
Type of screen or perforations		***************************************
Static Water level, for non-flowing well	31	
Shut-in pressure, for flowing well:		Feb 24-1958
	fest at	
_	<u>ka</u>	
	ig, packers, type of shut-off, depth of s	
terminano. (Gravo: Pacamis, Comonina		
***************************************		
**************************************		
***************************************		•.

(over)

Log of Well

		Log of Well	
	ı, feet	Description of Material Drilled	
From	To		
0	18	Clay	
18	24	11 Foul land	
24	140	fine Sand Water	<del></del>
140	146	grave water	
<del></del>	<u> </u>		#
		8 T T T T T T T T T T T T T T T T T T T	— ¾
· <del></del>			
		&	150
			-8 -8 -8
<del></del>		4 De Common de la	
		Day like	^&
	<del> </del>		-0/2°
	<u> </u>		
			•
<i></i>			
		·i	

Form No. 18		٠٠.٠		1	新
8-60	A C	•	T. 14 11		
			County		
					E(D)
	MONTANA BI	JREAU OF MINE Butte, Monta	S AND GEOLOG	N 001 13 19	61
	V	VATER WELL	LOG	STATE ENGI	NEER
	Owner Waldorf-Ros	ner Paper Prod	pota Co Addr	essmescule	,Mea.t
	Driller Glenn Ca	705 A14	Addr	essHannl	A. Mont.
	Date Started				- • •
	Location: Sec	T	N R. 21	U 1 sec	
Type of well	Drilled (Dug, driven, bered, or d	Equip	oment used	Churn, Drill, ret	ary, other)
Water use:	Domestic M	ınicipal 🔲	Stock	Irrigation	
Inc	iustrial [	Drainage [	Other	16" 24	90
	top feet, pla to 169'-				
	ft. to				
	Screened: Ft. 14				
	or perforations				
	evel, for non-fl				
Shut-in pressur	re, for flowing	well:	lb./sq.	in. on:	(defs)
Pumping water	level	_feet at	1300	gal. per min.	
<del></del>	Test Pump		·-·		<del></del>
Length of test			<del></del>		<del></del>
	vel packing, cem hut-off)	enting, pack	ers, type of	shut-off, de	epth of

(over)

That in exact lacation and date GCC 3

Log of Well

Depth,	feet	
From	То	Description of Material Drilled
0	7.	PI &
7'	12'	G) asy .
12'	251	Send & graml
251	451	Seed
45'	101*	Sandy Clay
1011	1451	Hard pecked sand with some clay
145'	1541	Sand & gravel some clay
1541	1591	Send, gravel A water
1591	167'	Tight gravel, sand & water
1671	1691	Loone gravel sand & water
1691	224 1	Tight olay with gravel some boulders no water
		P. A. M.
		Part of the second seco
		Red And And And And And And And And And An
<del></del>		Local de La Company de La Comp
ſ		# 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

(over)

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of

shut-off)

### Log of Well

	, feet	
From	То	Description of Material Drilled
	61	Top soils
61	27'	Gravel & sand some water at 24' to 27'
27'	112'	Sandy Clay
112	116'	Clay
1161	1521	Sendy Clay
152!	171'	Good gravel and sand with water
1711	177'	Clay gravel and boulders
	<u> </u>	
<u> </u>		
····	<u> </u>	
	<b></b>	
		I rece
	ļ	Tived a
	ļ	BELLY S
		I received and filed this incord on thedry of dry of
		hs instrument for the following for the following for the following for the following following for the following fo
		mpent for tem. 19 (a)

·	W	ull#213
т	N	R. <u>21 Ul</u>
•	-	issoula

MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

BECEIVED

WATER WELL LOG

Purchasing Order # 55404 NGINEER
Owner Waldorf- Hoener Paper Products Address Missoula, Montana
Driller Glenn Camp 705 Alder Address Missoula
Date Started April 30,1957 Date Completed May 21,1957
Location: Sec. /3 T. /4 N R. 2/ W 4 sec. 5W
Type of well Drilled Equipment used Churn Drill
(Dug, driven, bored, or drilled) (Churn, drill, rotary, other)
Water use: Domestic Municipal Stock Irrigation
Industrial # Drainage Other Paper mill
Casing: 2' above fift. to 174' ft. Type Seamless 63 lbs. Size 16 0.D.3/8 S.W.
Casing:ft. toft. Type Size
Casing:ft. toft. TypeSize
Perforated or Screened: Ft. 148 to ft. 168 . Ft. to ft.
Type of screen or perforations Wills Knife 3/8 by 3" slots 10 slots to the foot
Static Water level, for non-flowing well: 22 feet.
Shut-in pressure, for flowing well:lb./sq. in. on:(date)
Pumping water level 48 feet at 1500 gal. per min.
How tested: Turbine test pump  Length of test 8 hours
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
(over)

Depth,	feet		
From	То	Description of Material Drilled	
	71	for soil	
7'	<b>50</b> 1	Gravel & sand some water at 25 to 30'	
<b>30</b> 1	801	Sandy clay some gravel	
80.	1121	Sandy clay	
1121	116'	01er	
,3161	1421	Sandy clay	·
1421	1691	Big gravel, sand and water	
1691	1741	Clay, gravel and boulders	
		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
·			
<u></u>			
<del> </del>			
	.,		
		75 097	
		I received to the Missoule On the Winsoule Of Wingston Of MARIEN S	
		a the street of	
<del></del>		och the party of t	
		d and fied this instrument for the Mary of Mariana fies of Mariana files in Mariana files i	
<del></del>		primate las	
		ment i	
		2 a 2 b a	

Form No. 18 8-60

<i>*</i> *	Well ##	#3 (xiàccore)
•	Purcasing Order 554 Q4	21 W
	County Missoul	á

MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

BECEIVED

Purchasing Order 55404 WATER WELL LOG

Owner Waldorf- Hoener Paper Products	STATE ENGINEER Address Missouls, Montans
Driller Glenn Camp 705 Alder	
Date Started March, 7,1957	
Location: Sec. 13 T. 14 NR.	2/W 4 sec. 5W
Type of well Drilled Equipment use (Dug, driven, bored, or drilled)	ed Churn Drill (Churn, drill, rotary, other)
Water use: Domestic Municipal Stock	☐ Irrigation ☐
Industrial Drainage 0ther	Paper Mill
Casing: 2'above filft. to 173' ft. Type Seamless	Size 16 0.D. 3/8 8.W.
Casing:ft. toft. Type	Size
Casing:ft. toft. Type	Size
Perforated or Screened: Ft. 147 to ft. 168.	Ftto ft
Type of screen or perforations Mills Knife 3/8 by 3'	slots 8 holes to the foot
Static Water level, for non-flowing well: 221- 10"	feet.
Shut-in pressure, for flowing well:1b.	/sq. in. on:
Pumping water level 52 <sup>t</sup> feet at 1500	gal. per min.
How tested: Turbine Pump	
Length of test 8 hours	
Remarks: (Gravel packing, cementing, packers, typ shut-off)	e of shut-off, depth of
Hole was drilled to 202' . Caved in from 173'-9" to	202' during surging in
developing well.	
(over)	<del>-</del>

Log of Well

Depth,	feet	
From	То	Description of Material Drilled
0		Fill dirt & gravel
7'	26'	Gravel A unter ( water from 23 to 261)
261	951	Sendy Clay
95'	1121	Sand with very small gravel & water
1122	118'	Yellow Clay
118'	1521	Sandy clay
1321	1421	Small gravel, sand, olay with water
1421	145'	Sand , small gravel some water
145'	146'	Yellow clay
1461	1681	Coarse gravel & sand with water
1681	1691	Yellow clay and gravel
1691 to	2021	Clay, gravel and boulders
1, 11	1 1 1 1	
		79 223
		The state of the s
		the control of the co
		ad file
		Hild this control of the control of
		instrupact of Revenues of Participact of Participact (1896). It formation of Participact of Part

#88#

	•				
T. 14	N	R	21	W	
County	Mis	sou le	<u>/</u>		
	Mis	CEI	VE		

MONTANA BUREAU OF MINES AND GEOLOGY (10 196)

WATER WELL LOG

STATE ENGINEER

0	wner Waldorf- Haener l	Paper Products	Address_Missouls, Mon	tana
D	riller Clenn Camp	705 Alder	Address Missoula, Mont	ana
Δ	ate Started Kay 13	1960	Date Completed May	27,1960
L	ocation: Sec. 13	_t <i>14 N</i> R.	alw 4 sec. Su	
Type of wellD	rilled , driven, bored, or drilled)	Equipment us	sed Churn Drill	
( քաց	, driven, bored, or drilled)		(Churn, drill, rotary	, other)
Water use: Dom	estic 🗌 Municip	al Stock	Irrigation [	]
Indus	trial 🙀 Draina	ge 🔲 Other	Paper Mill	
Casing: 1'above G.I	ft. to 174' ft.	Type Seamles	s 63 lbsSize 16 0.D.	3/8 5.0.
Casing:	ft. toft.	Туре	Size	
Casing:	ft. toft.	Туре	Size	ميدانوساتاني
Perforated or Scr	eened: Ft157' t	o ft. 169°.	Ftto ft	
Type of screen or	perforations Wills	Knife 3/8 by	y 3" slots 10 holes to	foot
			291	
Shut-in pressure,	for flowing well:	1b	./sq. in. on:	<del>(6)</del>
Pumping water lev	elfeet	at	gal. per min	
How tested:		<del></del>		
Length of test				
	packing, cementing	, packers, ty	pe of shut-off, dept	h of
Not tested at th	is time.			<del></del>
		<del></del>		
		over)		

Log of Well

Depth,	feet		- [
From	To	Description of Material Drilled	
•	71	Grav-1 £111	
7'	261	Gravel and send some water at 25'	
261	801	Sandy olay with some gravel	_
801	1121	Sandy olay	_
112'	1201	Olay	_
1201	1421	Sandy olay	
1421	148'	Clay and some boulders	
1481	1531	Smaller gravel and sand ( some water)	
1551	1701	Send , corser gravel and water	
1701	1741	Blue - green clay ( no water)	
		'	
		1 ,	-
<del></del>			
<del></del>			
<del></del>	<del>                                     </del>		
<del></del>	<del> </del>	Fig. 1	
		I received a Carlot City William I. See Carlot City William I. S. Martin I. S. Mart	-
	<del> </del>	The state of the s	
<del></del>	<del> </del>	ad find this dock All of the bear states	$\dashv$
	-		
	<del> </del>	instripent  De 13  perminent t  t forma  comby Record  did Deg  did Deg	
	1	Deputy	1

	well	#5		13
r <i></i>	N	R	21	W
County				

MONTANA BUREAU OF MINES AND GEOLOGYD ECEIVE

WATER WELL LOG

SI	ΓΔ	T	- 1	F	N	۱۵	N	F	CC	,
					1 W 1			•	гπ	

STATE ENGINEER
OwnerWaldorf - Hoener Paper Products Address Missouls, Montena
Driller Clenn Camp 705 Alder Address Missouls. Montane
Date Started July 16,1960 Date Completed Aug 4,1960
Location: Sec. 13 T. 14 N R. 21 W 4 sec. 5W
Type of well Brilled Equipment used Churn Drill (Churn, drill, retary, other)
Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other Paper Will
Casing: 7" above G.f.t. to 183'-7" ft. Type Seamless 64 Lbs Size 16 O.D. 3/8 S.W.
Casing:ft. toft. Type Size
Casing:ft. toft. Type Size
Perforated or Screened: Ft. 152 to ft. 170 . Ft. to ft.
Type of screen or perforations Wills Knife 3/8 by 3" 220 holes
Static Water level, for non-flowing well: 21' feet.
Shut-in pressure, for flowing well:lb./sq. in. on:(ass)
Pumping water level 35 feet at 1200 gal. per min.
How tested: Turbine nump
Length of test 8 hours
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
2"foot plug in bottom of casing
(over)

Log of Well

feet	
То	Description of Material Drilled
91	Top moil
141	Send A gravel
201	Gravel
27'	Send & gravel
34'	Sandy Olay
531	Porving sand
57'	Clay
641	Send
901	Clay
1351	Send and fine gravel
1481	Send gravel & blay
1681	Grevel, send & water
1801	Water, oley, small gravel and water
1831	Sand , clay, small gravel and water
2' concre	to plug in bottom of casing.
<del></del>	
	To A Military Control of the Control
	A Second
	8
	<b>(€ ≥</b> 2
	91 141 201 271 341 531 571 841 901 1351 1481 1681 1801

490 186086

e e e e e e e e e e e e e e e e e e e	
	T 14 1 R 21 W
DECEIVED	Dounty Misseula
20 EGG MONTANA BUREAU OF	MINES AND GEOLOGY
STATE ENGINEER . Butte, M	
M WATER W	VELL LOG
	leans Mossoula. Mont
Driller John Fa	Address anles Mont.
Date Started May 2 -	1940 Date Completed May 6 /94
	Y R A/W 1/2 sec
<b>5</b> .	• •
Type of well (Dug. driven, bored, or drilled)	(Churn drill, rotary, other)
Water use: Domestic X Municipal	Stock Irrigation
Industrial Drainage	Other:
	Size
• •	Size 5"
Perforated or Screened: Ft to ft	
Type of screen or perforations	
Static Water level, for non-nowing well:	I - /0/
Shut-in pressure, for flowing well:	(date)
Pumping water level	
How tested: Bailer	
Length of test.	
Length of Vest	
Remarks: (Gravel packing, cementing, packers, type o	of shut-off, depth of shut-off)
Remarks: (Gravel packing, cementing, packers, type o	of shut-off, depth of shut-off)
Remarks: (Gravel packing, cementing, packers, type o	
Remarks: (Gravel packing, cementing, packers, type o	

(over)

of Well

Log of Well						
Dept	h, feet	Description of Material Drilled				
	<del>                                     </del>	****				
	61.	- PI				
姑						
6'	28'	graval Clay				
28'	140	quick sand water				
140	142	gravel Clay  Guick same Water  Water me gravel				
•						
	1.					
		74 8 C 77 75				
		William A				
	J	County has				
		and filed this instrument for tellock. A. Bernaneau like County, Steel of Mariano St. EHINFA County Regarder  S. EHINFA County Regarder  Pold  Pold  Pold				
		Podd				
		Regul				
		The state of the s				

3 <b>%</b> -		Approved Stock Form—State Po	sblish'ng Co., Hulens, Montana 42234
File	No		T. B. 2 County Plus aula
DUI	PLICATE		county Thusaula
		STATE OF MONTAHA	
	ADMINI	STRATOR OF GROUNDWATER CO	DE
	07	FIGE OF STATE ENGINEER	STATE WATER CONSERVATION BOX
	<b>.</b>		
		of Vested Groundwater	
	(Under Ch	apter 237, Montana Session Laws, 19	81) Mile McDermoth
			Butzerin McNulty Mostern
1	Guraky Bernard A	, of RR 5 2	Sulfivant
_	(Name of Appropriator)	· · · · · · · · · · · · · · · · · · ·	ckere (Toyn)
Č	lounty of Missoula ave appropriated groundwater accordi	ng to the Montana laws in effect pri	ior to January 1, 1962, as follows:
•		and the man management and an art of the control has	or to desirably if some, an account.
г	<u> </u>	2. The honeficial use on which the o	laim is based
I.			
ľ			liest beneficial use; and how continu-
ŀ		ous the use has been	ious for past
<b>~</b> }-			~
- }	X	4 The example of many fraction of	aimed (in miner's inches or gallons
- {			stuned /m inmer, metres or Barbors
ſ		•	
-			man and American and Alacha da
L		to which water has been appli	acreage and description of the lands ind and name of the owner thereof
Si	1/2		
	% 80024 T.14 R.21	***************************************	
Ind	icate point of appropriation	***************************************	9229 <sup>00100</sup> 00499 <sup>00177</sup> 10 <sub>402</sub> 90 <sup>0010</sup> 102,090 <sup>1000</sup> 102,090 <sup>100</sup> 1090 <sup>100</sup> 100,000 <sup>100</sup> 100,00
	il square represents 10 acres.		water from the ground and the loss-
		tion of each well or other means	of withdrawal
		One MP electric Pu	<b>1 P</b>
_			
7.	The date of commencement and com drawal of groundwater	pletion of the construction of the w	
	UNE DOWN	porter:	
	Miles Armale ad museum da lida		
٥.	The depth of water table50 fee	<b>†</b>	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
9.	So far as it may be available, the ty	pe, size and depth of each well or th	he general specifications of any other
	works for the withdrawal of groundwa	stor A	CAPSIG 25
	***************************************		35
	***************************************		
	<b></b>		an a a a faire de la compansión de la comp
10.	The estimated amount of groundwater	r withdrawn each year 10000	al ser year
			70
11.	The log of formations encountered in	the drilling of each well if available.	
12.	fluch other information of a similar	nature as may be useful in carrying	out the policy of this act, including
	reference to book and page of any con	_ ·	
	404000444444444444444444444444444444444		• • • • • • • • • • • • • • • • • • •
	4,000,000,000,000,000,000,000,000,000,0		0 .0 W
		Signature of Owner.	Beneally Levelle
		Diguzture of Owner.	
		I	Date 3-3/-66
Th	res copies to be filed by the owner with	the County Clerk and Becorder of the	county in which the well is located.
		<u> </u>	

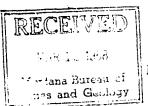
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator. +6933

C88

## 248793

The case of a time or cross and helpfoliotist for the constraint of the case o





THE R 21 24
County Minimus

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

## WATER WELL LOG

<del>,,,,,,, _</del>			
Owner.	my Kraw	Address.	R2 missage
Driller + 16	m Farrell	a damana	arlee mont
······································			• •
Date Started	tul 3 - 173	Date Cor	npleted 7-4-16-195
Location: Sec. 2	4 r 14 r	21 4 sec E &	NES
willed 40			•
ype of well (Dug, driven, bored, o	Equipme	nt used(Chu	Im drill, rotary, other)
Water use: Domestic X	funicipal	Stock .	Irrigation
Industrial	Drainage T	Othor	
Sasing: 0 It to 140			5"
asing:ft. to	ft. Type	Size	***************************************
asing:ft. to	ft. Type	Size	***************************************
erforated or Screened: Ft	to ft	Ft	to ft
Type of screen or perforations	************************************		
Static Water level, for non-flowing well:	31'		feet.
hut-in pressure, for flowing well:	1h:/	F	-L 16.1958
Pumping water level	feet at	g	al. per min50
Iow tested:	1_17_	***************************************	
ength of test 2 Ms			
Remarks: (Gravel packing, cementing,		•	
	·····	·	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
			A Company of the Comp
•		٠.	
		***************************************	AND THE PROPERTY OF THE PARTY O
	······································	***************************************	

Log of Well

	Depth, feet From To		rog or well		
			Description of Material Drilled		
	0	27		_	
	2.17	/37	Clay exorel Water five Sound		
	137	140	11 Course grovel		
	<del> </del>	-			
		<u> </u>		<u> </u>	
	<del></del>		,	:	
. A	2 L.p	files	An		
U	· · · · · ·	strument for a S. S. The strength files	Ander Conder	. :` ——	
	3-	M. permo	The state of the s		
	4	day and Mary	2. Control Residual		
	1/2	22 cod			
4					
25		record on G.	F 10.1		
#					
		·/		<del></del>	
		<u> </u>			
•.					
	·, —————				
		1			

<u>(</u> .	Approved Stock Form—State Publishing Co., Helens, Montans—42234
File !	No. The Mark of th
DUP	LIOATE County
	ADMINISTRATOR OF GROUNDWATER CODE JAN 2 1964
	Declaration of Vested Groundwater Right ATE ENGINEER
	Heleneor (Under Chapter 237, Montana Session Laws, 1961)
1	Henry J. La Casse, of Roz Missaula, Montana (Name of Appropriator) (Address) (Town) unty of 1135aula State of Jantana
	unty of 1135.04/9 State of 10NT4ng
	ve appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:
	2. The beneficial use on which the claim is based nouse had,  1 rigation garden V / aun water Cattle  3. Date or approximate data of earliest beneficial use; and how continu-
}	ous the use has been Nov-1950 used Steady Since
*	E
	4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 - 15 gal 100.
	5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
NF:	45E480024T/4R21 Gurden and
Indicated and	tate point of appropriation place of use, if possible. Each is square represents 10 acres.  6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  10 00 00 00 00 00 00 00 00 00 00 00 00 0
7.	The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
	The depth of water table 12 Let
9.	So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 3 3 5 5 6 6 5 10 5
10,	The estimated amount of groundwater withdrawn each year 1290,00
	The log of formations encountered in the drilling of each well if available
	Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
	Signature of Owner Level 31, 1963
	Signature of Owner, July 1 and
	Date distriction of the state o

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

I received and filed this instrument to receive an the 3 day of the 1963 of the 1963 of the second County, State of Montana Witness my has a MARTIN S. BEHINDA County Becorder By MARTIN S. BEHINDA County Becorder By Martin S. BEHINDA County Fee S. 2000 P. Cid

राजनात होते रहतामध्येत के केंद्र सामग्री करात है। उन्होंने कि क्षेत्र करात करात

	<u>(</u>	_	24
	T	minaula	<u>ر</u> ا:
MONTANA BUREAU OF MINES AND	GEOLO	GY 1 1957	
Butte, Montana		STATE ENGIN	EER

### WATER WELL LOG

	Owner. Walde	rf.Paper.P	roduota (	cmpany	Address	Mascula.	Montana
	Driller A.R.	Howbrey	•	************************	Address	1518 So.	låth St Montana
							r 21. 1957
	Location: Sec.	<b>24</b> T	141	R. 21W 1/4	sec. IE	Mit	
Type of well	(Dug, driven, bore	4 on Arittad	Fquip	ment used	Churn	dr111 m drill, rotary,	
Water use: Domestic	<b>-</b>	Municipal		Stock		Irrigation	
Industrial	X	Drainage		Other:			
Casing: from 2 ft.	above 174	tt.	Type3/	" sidewall	Size	16*	***************************************
Casing:							
Casing:	ft. to	ft.	Туре		Size	************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Perforated or school	d: Ft 146	to ft	168	Ft	*******	to ft	************************
Type of skilded or perfo	orations	knife. 3/	/8" X 3" /	ilots 10 bo	les per	st. 201 c	f perf.
Static Water level, for	non-flowing well	22 Ah	from to	of pipe	*****		feet.
Shut-in pressure, for f	lowing well:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	11	o./sq. in. on:			***************************************
Downston maken level	481	foot	20	<b>X</b>		(date)	*************************
Pumping water level	***************************************						
How tested:							
Length of test	8 hours	••••••					************************
Remarks: (Gravel pa	cking, cementin	g, packers, 1	type of shu	t-off, depth	of shut-of	f)	
***************************************	******************************		,,	***************************************	****************		***************************************
***************************************	******************************	*****************	.,,,,		***************************************	***************************************	
***************************************		••••••	******************************			*******************	127444244444444444444444444444444444444
***************************************		••••••••	,,		*******************************	·····	
			(over)				

		Log of Well
Depth, feet		Description of Manual Duty of
From	To	Description of Material Drilled
0	7 24.	Top soil
7	30 M.	Oravel and sand; some water at 23' to 30'
<b>30</b>	80 st.	Sandy elay with some gravel
80	112 ft.	Sandy elay
112	116 st.	CLay
116	142 ft.	thickers housest spice sandy clay
42	169 24.	Rig gravel, send and water
169	174	Clay, gravel and boulders
		TO ERAS
		Tree With State Co.
		I received an the 12 Count of
ĺ		16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	İ	this by and in the state of the
T I		\$ £ /£ / O

$oldsymbol{C}$			24
	T	R	
	County	Linaaul Color	
MONTANA BUREAU OF MINES AND Butte, Montana	CEOLOGY	CES V 5	
WATER WELL LOG	STAT	E ENGIN	EER
OwnerWaldorf Paper Products Company			- •
Driller A.R. Hosbray		- · · <del>-</del>	
Date Started March 7, 1957		•	
Location: Sec. 24 T. 148 R. 21M	3/4 sec	mi <u>t</u>	
Type of well	Cours d	n drill, rotary, oth	er)
	k 🔲	Irrigation	П
	<del></del>	•	
Pasing: 2 ft above ft to 173'9" ft. Type 3/8 sidewal scanless  Casing: ft to ft. Type 7/8 sidewal scanless			
Casing:ft. toft. Type			
Perforated or Screened: Ft. 19711 to 1t. 168 ft. Ft.			
Type of screen or perforations			
Static Water level, for non-flowing well: 22 St. 10 in.			
Shut-in pressure, for flowing well:			
		(date)	
Pumping water level		-	
How tested: Turbine page			
Length of test		***************************************	***************************************
Remarks: (Gravel packing, cementing, packers, type of shut-off, dep	th of shut-off	t)	
		*******************	*********************
		***********************************	***************************************
		***************************************	***************************************
		********************	·····

(over)

Log of Well

		Tog of Mell	
Depth, feet		Description of Material Drilled	
From	То		
0	7 28.	Fill dirt and gravel	
7	26 14.	Oravel	
26	95 24	Samiy elay	
95	112 ft.	Sand and very small gravel with water	
112	118 74.	Tallow elay	
118	132 ft.	Sandy elay	
132	Az se.	Small gravel, sand and some elay with water	
142	us n.	Sand and small gravel with water	
145	146 24.	Tellow elay	
146	168 A.	Coarse gravel, sand with water	
158	169 ft.	Yellow elay and gravel	
169	202 14.	Clay, gravel and boulders	
	<del> </del>		
	1		
	<u> </u>		
	<u> </u>		1
			m.
	<del>-</del>		:
			K
			1
			!

			24
T	I I	<b>1</b>	
County	In Me	ssoule 1 1957	لالم

# MONTANA BUREAU OF MINES AND GEOLOGY $\widehat{T}_{f,i}$ REGINEER Butte, Montana

#### WATER WELL LOG

Owner
198 Soc 18th Ste
Driller A. R. Hadaray Address 1518 So. 18th St.
Date Started May 23, 1957 Date Completed June 15, 1957
[
Location: Sec. 24 T. 14M R. 20M 1/2 sec. 351 Met
Type of well Drilled Equipment used Gram drill
Type of well Drilled Equipment used Churn drill (Churn drill, rotary, other)
Water use: Domestic Municipal Stock Irrigation
Industrial I Drainage Other:
Casing: 2' above fillet to 176' 6° et. Type 3/8° sidewall Size 16°
Casing:ft. toft. TypeSize
Casing:ft. toft. Type
Perforated or <b>250455</b> : Ft
Type office perforations
Type of the first perforations. Mills kmifes 3/5" X 3" slots, 10 holes per fts. 16" of perfo.  Static Water level, for non-flowing well: 21 fts from top of pape. fee
Static Water level, for non-flowing well: 21. The from top of pape. fe
Static Water level, for non-flowing well: 21. The from top of pape fe
Static Water level, for non-flowing well:  Shut-in pressure, for flowing well:  Disq. in. on:  (date)  Pumping water level.  42 ft. from top feet at 2000 gal. per min.
Static Water level, for non-flowing well:  Shut-in pressure, for flowing well:  Dumping water level  Lib./sq. in. on:  (date)  Pumping water level  Lib./sq. in. on:  (date)  How tested:  Distribution
Static Water level, for non-flowing well:  Shut-in pressure, for flowing well:  Disq. in. on:  (date)  Pumping water level.  42 ft. from top feet at 2000 gal. per min.
Static Water level, for non-flowing well:  Shut-in pressure, for flowing well:  Dumping water level.  Al It. From top feet at 2000 gal. per min.  How tested:  Duttibe purp  Length of test.  Shours
Static Water level, for non-flowing well:  Shut-in pressure, for flowing well:  Dumping water level.  Al It. From top feet at 2000 gal. per min.  How tested:  Duttibe purp  Length of test.  Shours
Static Water level, for non-flowing well:  Shut-in pressure, for flowing well:  Dumping water level.  Al It. From top feet at 2000 gal. per min.  How tested:  Duttibe purp  Length of test.  Shours
Static Water level, for non-flowing well:  Shut-in pressure, for flowing well:  Dumping water level.  Al It. From top feet at 2000 gal. per min.  How tested:  Duttibe purp  Length of test.  Shours
Static Water level, for non-flowing well:  Shut-in pressure, for flowing well:  Dumping water level.  Al It. From top feet at 2000 gal. per min.  How tested:  Duttibe purp  Length of test.  Shours
Static Water level, for non-flowing well:  Shut-in pressure, for flowing well:  Dumping water level.  Al It. From top feet at 2000 gal. per min.  How tested:  Duttibe purp  Length of test.  Shours

Log of Well

Log of Well		
Depth, feet From To		Description of Material Drilled
0	6 22.	Bas call
	<del>-</del>	Top soil
6	27 22.	Oravel and sand; some water at 24 to 27'
27	112 24.	Sandy elay
75	116 st.	Clay
16	152 re.	Sandy elay
52	172 12,	Good gravel and send with water
171	177 ft.	Clay gravel and boulders
	$\dot{\dagger}$	
. · · · · · · · · · · · · · · · · · · ·	† †	
	<del>  </del>	
	<del>\</del>	
	<del> </del>	
	<del> </del>	
	· · ·	
	1	
	1	
	1	14 Ace 1 141
	1	. l.   N = 5 to 1
	<del> </del>	1 recovered at the Late of the
	<u>'</u>	
	<u> </u>	
	1	
		· · · · · · · · · · · · · · · · · · ·

GW <sub>2</sub> €	<b>`.</b>			Approved	Stock Form-	State Publishin	S Co., Helesa,	Montana—3849	Lies Co
File No.									NPM
DUPLICATE		DECEIV	•				ounty	issoula	
		DECEIV DEC 30 19	6 <b>3</b>			OF MONT	AKA		
	Top of Ground				TRATOR ( FFICE OF		idwater Ngineer	CODE	
-		SIMIL LING.		tice of	Comple	otion o	£ Grou	ndwst	<b>.</b>
- 1	/AMOV. ADDVG SEE	level)		Approp		-	_		o:
-				(Under Ch					
-			V.	l dan 6-Maan	naa Bana	_	0	, ,	
		Ow	nerP	roducts Co	<b>Mpany</b>	Addres		r D, Mis	***************************************
-		Dri	iler	Glarzi Can	<b></b>	Addres	Missou	la, Mona	ena
-	Date of Notice of Appropriation of Groundwater								
-	Date well started June 30, 1961 Date Completed Aug. 12, 1961								
-	Type of well 16" od. 3/8" wall. Equipment Used Cable tool								
		(	dug, drive drilled)	m, bored or \$	mis, dri	11 od Churr other	, drill, rotar	y or	
		W	iter Use:	: Domestic	☐ Mu	nicipal 🖂	Other	□ In	rigation 🗆
				Industrial	_	ainage 🗍	Stock (	_	
				te on the d	•				
_	strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc.  Show depth at which water is encountered, thickness and character of water-								
-				ata and heig					
-		Sies of		on file in	From	To		ERPORATION	1
-		Dylled Mate		Coding Coding	(Feet)	(Feet)	Kind Mac	From (Foot)	To (Feet)
-			1			ļ	3/8" 110	t.	
-							3" long, 8 holes	148*	1551
							per ft.	1591	1621
						}		133	•••
_					<del></del>	<u> </u>			
-	Static Water Level for non-flowing Well 22 feet.  Shut-in Pressure for Flowing Well								
-									
-			Pump	ing Water Le	evel	3Bfe	et at13	00gal.	per minute.
-	Discharge in gal, per min, of flowing well.								
	How Tested Yurbine pump Length of Test 8 hrs								
						_			
-	Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any								
-				other i	similar per	tinent inf	ormation, i	including	number of
		_ <del></del>		acres ir	rigated, if	used for ir	rigation)	•••••	······································
-		.2k T.168 R.219							**********
-		tion of well and if possible. Each					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		.,.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
-		represents 10 acres.						,	
	Show exact dep	th of bottom. 16914	•	******************			/1	~ ~	
	-					Driller	's License	Number	
							11/2	4. C	nije
						Drille	's Signatur	re	

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

I received end filed this instrument for record on the mile cay of her 1963 at 10.126. Octook A.m., permanent files of Missoula County, State of Montana Witness my hand:

MARTIN S. BIHNER, County Recorder By Martin S. BIHNER, County

37.12

<u>ين</u> 11

::

: :

Ž. 

( E

GW 2	· • • · ·		Appn	oved Stock Form-	State Publishin	Co., Helena, 1	Montana-3849	الاست
File No.	******************************		_		т	14N R		NPH O
DUPLIC	CATE	DECEIVE DEC 3 0 1963	<i>[</i> ]		C	ounty	issoula	
		IN DEC 3 0 1963	ש		OF MONT		T T T T T T T T T T T T T T T T T T T	
	Top of Ground	STALE ENULIS	_	ISTRATOR ( OFFICE OF			CODE	
-	(Elev. above sea	level)	Notice o	f Compl	etion o	f Grou	ndwate	er
_		·		priation	_	_		
_			(Under	Chapter 237,	Montana S	ession Laws	, 1961)	
-		Owne	er Waldorf-Ho	erner Pape	rAddres	Drawer	D, Miss	ouia
-		Drille	Products er Glenn (		Addres	s Missou	ila. Mon	tana
_		Date	of Notice of Ap	propriation of	Groundwa	te <b>r</b>		
_			well startedJ	· -				
-		(du dri	of well3/8" we ig, driven, bored or illed)	smls, dri	1 led(Churr other)	, drill, rotary	or	7. <del>R</del> . 9
-			er Use: Domest	ic □ Mu	nicipal 🗆	Other [	7	rigation 🔲
			Industri		ainage 🗍	Stock [	- ,	
-			Indicate on the	_				
		Show	v depth at which	water is enc	ountered, t	hickness and	character	•
			ing strata and h					
		Size of Drilled	Size and Weight of	From (Feet)	To (Feet)	PI	RFORATION	5
_	ļ	Hole	Casing			Kind Size	From (Feet)	To (Feet)
	ļ					3/8" s1c 3" long		
_						8 holes	1521	170'
-								
					<u></u>	<u> </u>		
		И	Static Water Le	vel for non-fl	owing Well	•••••	21	feet.
-			Shut-in Pressur	e for Flowin	g Well			
			Pumping Water	Level	35 fe	et at120	0 gal. I	per minute.
-			Discharge in ga	l. per min. of	flowing w	ell		r
	w	E	How Tested				••	
_			Remarks: (Gra		_			
-			tion	of place of a	se of grou	ndwater if	not at wel	l, and any
-								
	Nid 4 / S	8 24 T 14N R 21W	acre	irrigated, if	used for it	rigation )		•••••••••••••••••••••••••••••••••••••••
	Indicate loc	ation of well and	*************		***************************************			
		e, if possible. Each represents 10 acres.	***********		••••••			
-	Show exact de	1021 71			***************************************			
-	STOM SXSC (16]	WIL OI DOWNIII.			Drille	's License	Z Number	
; ;					. (	e line	U C.	
.					Drille	r's Signatur	<u>- ске</u>	
Thi	is form to be prepar	red by driller, and three	copies to be file	d by the own	er with the	County Cle	erk and Re	ecorder

in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

. 195

,,, ,,,

¥.

		Approved	Stock Form—S	State Publishin	Co., Helena,	Montana-38496	
le No				т	14N	21W	мрм
UPLICATE	DECEIVO 1	P63 ADMINIS	STATE (	OF MONT	ounty ANA		
Top of Ground	STAIL LING	ATMEES OF	FFICE OF	STATE E	ngineer —-		
(Elev. above sea leve	1)	IAOTICE OF					∍r
		Approp					
_		(Under Ch	apter 237,	Montana 8	lession Law	s, 1961)	
	Owne	Waldorf-Hoer Products Co	ner Paper	Addres	Brawe	r D, Miss	oula
-	Drille	er Glenn Can			sMissou	laHonta	na
-	1	of Notice of Appro					
_		well startedMay					
-	Type (du	of well 16" od, g, driven, bored or	mis, dril	Equipr led (Churr	nent Used 1, drill, rotar	y or	<u></u>
-	dri	illed)		other	)	_	
-	Wate	er Use: Domestie Industrial	_	nicipal 🔲 ainage 🔲	Other [ Stock ]	_	igation [
-	<b>₩</b>	Indicate on the d	_	•		_	differen
-	strat	a met with in drill	ling, such a	s soil, clay	, shale, grav	vel, rock or	sand, etc
-	beari	depth at which wing strata and height	t to which	water ris	es in the w	ell.	of water
~ (	See	log on file i	n Missoul	. County	Courthou	110	
					1		
_	Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	1	ERFORATION	
_ -	Size of Drilled	Size and Weight of	From	To			To (Foot)
- - -	Size of Drilled	Size and Weight of	From	To	Kind Size	ERFORATION From (Feet)	To (Feet)
- - - - ,	Size of Drilled	Size and Weight of	From	To	Kind Size 3/8" slo 3" long, 8 holes	ERFORATION From (Feet)	To
- - - - -	Size of Drilled	Size and Weight of	From	To	Kind Size 3/8" \$10	ERFORATION From (Feet)	To (Feet)
- - - - -	Size of Drilled	Size and Weight of	From	To	Kind Size 3/8" slo 3" long, 8 holes	ERFORATION From (Feet)	To (Feet)
— - - - - - -	Size of Drilled	Size and Weight of	From (Foet)	To (Feet)	Kind Size 3/8" alo 3" lang, 8 holes per ft.	erforation From (Feet)	To (Feet)
- , , , , , , , , , , , , , , , , , , ,	Size of Drilled	Size and Weight of Casing  Static Water Leve	From (Feet)	To (Feet)	Kind Size 3/8" alo 3" long, 8 holes per ft.	erforation From (Feet) t \$57'	To (Feet)
- , , , , , , , , , , , , , , , , , , ,	Size of Drilled	Static Water Leve	From (Feet)	To (Feet)	Kind Size 3/8" \$10 3" long, 8 holes per ft.	erforation From (Foot) t 157	To (Feet)
- , , , , , , , , , , , , , , , , , , ,	Size of Drilled	Static Water Leve Shut-in Pressure Pumping Water L	from (Feet)	owing Well	Kind Size 3/8" slo 3" long, 8 holes per ft.	erforation From (Feet)  t 157  29	(Feet)  1691  feet
- N	Size of Drilled	Static Water Leve Shut-in Pressure Pumping Water L Discharge in gal.	l for non-fic	owing Well	Kind Size 3/8" sio 3" long, 8 holes per ft.	erforation From (Feet)  \$ 157'  29	(Feet)  (691
	Size of Drilled Hole	Static Water Leve Shut-in Pressure Pumping Water L	l for non-fic	owing Well	Kind Size 3/8" sio 3" long, 8 holes per ft.	erforation From (Feet)  \$ 157'  29	(Feet)  (691
	Size of Drilled Hole	Static Water Level Static Water Level Shut-in Pressure Pumping Water L Discharge in gal. How TestedIM Remarks: (Grave	of the pum	owing Well  Well  Pumped fe	Kind Size  3/8" alo 3" long, 8 holes per ft.  et at	erforation From (Feet)  157'  29  29  8. hr.s	feet)  (Feet)  (691)
	Size of Drilled Hole	Static Water Level Shut-in Pressure Pumping Water L Discharge in gal. How TestedTM Remarks: (Grave	for non-fic for Flowing evel. Not per min. of	owing Well  Well  Journped  flowing w  cementing  se of grou	Kind Size  3/8" \$10 3" long, 8 holes per ft.  et at	erforation From (Foot)  t 157*  29  B. hr.s	feet minute
	Size of Drilled Hole	Static Water Leve Shut-in Pressure Pumping Water L Discharge in gal. How TestedTM Remarks: (Grave	for non-flowing per min. of china pumical packing, f place of v	pumped fer flowing well	Kind Size  3/8" sio 3" long, 8 holes per ft.  et at	29  8 hrs.  type of shundt at well including	feet der minute
- w	Size of Drilled Hole	Static Water Leve Shut-in Pressure Pumping Water L Discharge in gal. How TestedTM Remarks: (Grave	l for non-fle for Flowing nevel. Not per min. of thine. pum	flowing Well	Kind Size  3/8" sio 3" long, 8 holes per ft.  et at	erforation  From (Feet)  157*  29  gal. 1  type of shu not at we including	feet  itoff, local, and an number of
w w sec.24. Indicate location	Size of Drilled Hole  Tian R2iW n of well and	Static Water Level Shut-in Pressure Pumping Water L Discharge in gal. How Tested	for non-flet for Flowing evel. Not per min. of thing pum	flowing Well	Kind Size  3/8" sio 3" long, 8 holes per ft.  et at	erforation From (Feet)  157*  29 gal. 1  type of she not at we including :	feet  itoff, local, and an number of
W	Tian R2iW a of well and possible. Each	Static Water Level Shut-in Pressure Pumping Water L Discharge in gal. How Tested	l for non-fle for Flowing nevel. Not per min. of thine. pum	flowing Well	Kind Size  3/8" sio 3" long, 8 holes per ft.  et at	erforation From (Feet)  157*  29 gal. 1  type of she not at we including :	feet  itoff, local, and an number of
W  NM 1/4 Sec 2/4 Indicate location place of use, if small square repr	Tian R2iW a of well and possible. Each resents 10 acres.	Static Water Level Shut-in Pressure Pumping Water L Discharge in gal. How Tested	for non-flet for Flowing evel. Not per min. of thing pum	To (Peet)  Diving Well	Kind Size  3/8" sio 3" long, 8 holes per ft.  et at	erforation From (Feet)  157*  29	feet  feet  feet  feet  feet  atoff, loca  l, and an  number o
W  NW 1/4 Sec 2.4.  Indicate location place of use, if	Tian R2iW a of well and possible. Each resents 10 acres.	Static Water Level Shut-in Pressure Pumping Water L Discharge in gal. How Tested	for non-flet for Flowing evel. Not per min. of thing pum	To (Peet)  Diving Well	Kind Size  3/8" sio 3" long, 8 holes per ft.  et at	erforation From (Feet)  157*  29	feet  feet  feet  feet  feet  atoff, loca  l, and an  number o
W  NM 1/4 Sec 2/4 Indicate location place of use, if small square repr	Tian R2iW a of well and possible. Each resents 10 acres.	Static Water Level Shut-in Pressure Pumping Water L Discharge in gal. How Tested	for non-flet for Flowing evel. Not per min. of thing pum	To (Peet)  Diving Well	Kind Size  3/8" sio 3" long, 8 holes per ft.  et at	erforation From (Feet)  157*  29	feet  feet  feet  feet  feet  atoff, loca  l, and an  number o

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

I received and filed this instrument leg record on the 24 day of 1943 at 0.24 feeth A.M., permunent theo of Missoula County, State of Mantana Witness my hand:

MASTEN S. BEHNER County Recorder

By Listen A.M. Deputy
Fee S. L. D. D. D. Poid

i... .

2.20 Jan 19 T

Tolor

Size

(1.6.4)

(**5**:4)

British at

Hall the

File No				~ pptoved	Stock Form-	itate Publishing	Co., Helena,	Montana-3849	61. 🗫 T
DVIDI - A A MM	***********			_		T	14N	R 21W	NPM
DUPLICATE		DECE	IA	, U J		Ce	untv	Missoula	<i></i>
	•	UU DEC 3	0 1963			OF MONTA	lna		
To	p of Ground	STA1E E	10 1 14 1	_		)F GROUN STATE EN			
-	_			Notice of	Comple	ation o	- Grai	ındwət	or
-   (Ene.	v. above sea lev	et	.) '	Approp					31
-				(Under Ch					
<b> -  </b>							_		•
-			Owner	Waldorf-Hoers Products (		Address	**************	D, Misso	
			Driller	Glenn Camp		Address	Miss	oula, Mor	<u>itana</u>
			Date of	Notice of Appro	priation of	Groundwat	e <b>r</b>		
-			Date w	ell started Mar.	7, 1957	Date Co	mpleted.A	pril 10,	1957
-		•		well 16" od.					
-			(dug,	driven, bored or Si					***************************************
-			drille		C 16-		043	m	
- 1			water	Use: Domestic Industrial		nicipal 🔲 ainage 🔲	Other Stock	_	rigation [
		•	<b>™</b> In	dicate on the d	iagram the	character	and thicl	ness of th	e different
				net with in drill epth at which w	-· .				
				strata and heig					Of Meler
			See 1	og on file in	Missoula From	County (			
-			Drilled Hole	Weight of Casing	(Feet)	(Feet)	Kind	PERFORATION From	To
<b> -  </b>					[		3/8 <sup>11</sup> s1		(Foot)
<b>[- [</b>					[		3" long, 8 holes	147'	1681
<b>-</b>					ĺ	( (	per ft.		
<b>†</b> [						[ [	•	1	1
			يستعيب			1		<u> </u>	<u> </u>
	N	1	S1	atic Water Level	for non-flo	wing Well.	22! 10	11	feet
			] s	hut-in Pressure i	or Flowing	z Well	•••••		
		1.7	[	umping Water Le					
<u> </u>		1/2							
-   <sub>w</sub>  -				ischarge in gal. 1					
-     <u>                                </u>			H	ow TestedTuri	oinePump	Leng	h of Tes	t8hr.s	****************
-   <u> </u>			R	emarks: (Grave	packing,	cementing,	packers,	type of sh	utoff, loca
<b>+</b>   [				tion of other	place of u similar per	sc of grour tinent info	dwater 11 rmation,	f not at we including	number o
	-	S OF TANK TO	<b>11</b>						
_ I I	M4 Sec2 Indicate location	n of well a	ınd	************	**************	******************	•••••		***************
	place of use, is small square rep			*************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
	man single tel						•••••	••••••	
-   '		1.	7319"				Na or	. M	
-	ow exact depth	of bottom.				••••••		<i>(</i>	·
-	ow exact depth	of bottom.						Number	
-	ow exact depth	of bottom.						Number	

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

I received and filed the instrument for record on the P. do of No. 11. The of Nissoula County, State of Managan Witness my hand:

MARTIN S. BENINER, County, Recorder

By County Recorder

Strategy 1471

GW 2 /	Approved Stock Form-State Publishing Co., Helena, Momana-38496
File No	mecelvan.
	Top of GroundSTATE ENGINEER  ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER
-  -  -	(Elev. above sea level
-	Owner Products Company Address Drawer D, Missoula
-	Driller Glenn Camp Address Missoula, Monagna
	Date of Notice of Appropriation of Groundwater
	Date well startedApr.s30,1957Date CompletedKay21,1957
<u> </u>	
	Type of well 16" od, 3/8" wall, Equipment Used Cable 6001 (dug, driven, bored or smls, drilled(Churi, drill, rotary or drilled) other)
-	Water Use: Domestic   Municipal   Other   Irrigation   Industrial   Drainage   Stock
	Indicate on the diagram the character and thickness of the different
	strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc.  Show depth at which water is encountered, thickness and character of water-
	bearing strats and height to which water rises in the well.  See log on file in Missoula County Courthouse
-	Size of Size and From To PERCHATTOME
-	Drilled Weight of (Foot) (Foot)  Hole Casing   Rind Prom Te Size (Foot) (Root)
	3/8" alet
	3" long, 148' 168'
	par ft.
<u> </u>	
-	N Static Water Level for non-flowing Wall 22 fact
-	Signe water never for non-riowing went
-	Shut-in Pressure for Flowing Well.
F	Pumping Water Level
	W How Tested Turbine pump Length of Test 8 hrs
	Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any
_	other similar pertinent information, including number of acres irrigated, if used for irrigation)
_	Nu 1/4 Sec 24 T14N R21W
-	Indicate location of well and place of use, if possible. Each
-	small square represents 10 acres.
-	Show exact depth of bottom. 174 ft.
	Driller's License Number
	of Since Come to
	Driller's Signature

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

I received end filed this instrument for record on the Alemandary of Aleman files of Missoula County, State of Mostana Witnessens my hond:

MARTIN & BERTHER County Recorder by MARTIN & BERTHER County Recorder by MARTIN & Pold

GW 2	3.		Approved	Stock Form	State Publishin	Co., Helena,	. Montana—3849	×
File No	DECEIV	7-1-	9		т	14N	R 21V	MPM
DUPLIC	DEC 30 19	, I	]]		C	ounty	Missoula	
			ADMINTS:	STATE TRATOR (	OF MONI		2 CODE	
	Top of Ground STAIL LING	IN F	3 01	FICE OF				
	(Elev. above sea level)	ř	Notice of	Comple	etion c	f Grou	undwat	er
			Approp	riation	by Mo	eans o	f Well	
_			(Under Cha	apter 237,	Montana S	ession Lav	ws, 1961)	
-	,	Owner	Walder f-Hoers		Addres	Drawer	D, Hisso	oula
- <b> </b>		Driller	Products Glenn Camp	Company	Addres	Missou	le	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
-		Date of	Notice of Appro	pristion of	Groundwa	ter		
			ll started !!ay	-				
_ 1			well 16" od,			-		
- 1		Type of (dug, d drilled	iriven, bored or <sup>SI</sup>	als, dril	I. Equipi 1ed (Churr other	ı, drill, rota	ry or	5.75.R
├- <b> </b>	,		Use: Domestic	- W-	nicipal 📋	, Other	- I-	rigation 🗍
-		Water (	Industrial		ainage	Stock	_	TIREMOII []
			dicate on the d					
_			net with in drill epth at which w				•	•
_			strata and heig					
	- Siz	of	Size and Weight of	Free (Feet)	To (Feet)	- CONTRACTOR	PERFORATIO!	<del></del>
-		ole	Cackag			Kind Slee	From (Feet)	To (Feet)
						3/8" slo	<b>*</b>	
				ł	Ì	B holes per ft.	155'	1711
_						) I I I		
-	<u></u>							
-	×	St	atic Water Level	for non-fi	owing Well	21		feet.
		1	ut-in Pressure					
		1	ımping Water Le		•			. 1
-	73	]	• -				_	_
- 1	w	) <b>.</b>	ischarge in gal.	_				
		ł	ow TestedTMC					
_		Re	emarks: (Grave) tion of					utoff, loca- ell, and any
_								number of
- 1		j	acres ir	rigated, if	used for in	rigation)	•••••	•
-	14 Sec. 24 T 14N R 21						***************************************	************
<b> </b>	Indicate location of well and place of use, if possible. Each	h	******************			************	*******************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	small square represents 10 acres		*************			**********	**************	
	Show exact depth of bottom. 176	S1 6"				mo		
					Drille	r's License		-
						Las	un C	any
					Drille	r's Signatı	ure	0

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

11.

		-						
GW 1	,							
File	No	T 14N R 21W MP1						
DUF	PLICATE	County Missoula						
	STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER ( OFFICE OF STATE ENGINEER	[]						
	Notice of Appropriation of Groundy (Under Chapter 237, Montana Session Laws	water DEC 30 1963 = 1961)STATE ENGINEE						
1.	I, Wcldorf-Hoerner Paper Froducts Co, of (Address)	Missoula (Town)						
	County of, State of	intend to ap-						
2.	The beneficial use to which water is to be applied is							
	(describe lands to be benefited, if for irrigation)							
3.	The rate of use in gallons per minute or miner's inches of groun	ndwater claimed 20,000 gps						
4.	The annual period (inclusive dates) of intended use	Continuous						
	The probable or intended date of first beneficial use by April 1957							
6.	The probable or intended date of commencement and complete Start in March :957	on of the well* or wells*						
7.	The location, type, size and depth of well or wells contemplate 16" dia., 200" deep, in the plant area per sketch							
8.	The probable or estimated depth of the water table or artesian	n aquifer 30 feet						
	Name, address and license number of the driller engaged							
10.	Give such other similar information as may be use-	*						
	ful in carrying out the policy of this act							
		┵┼┼┼┼┼┼						
	-							

M 1/4 Sec. 24 T 14H 21W

Locate well or other means of development as accurately as possible on the plat.

possible on the plat.
Signature of Appropriator. L.C. Halge

Date December 23, 1963

\* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artifically withdrawn."

Three copies of this notice are to be filed with County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

 $\label{eq:County_Clerk} \begin{center} Chiginal to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruy-ilcate for the Appropriator. \end{center}$ 

I received and filed that instrument for record on the J.C. day of A.L. 1962 at M. Colock J. M., permanent files of Misseala County, State of Mantana Witness my hand:

MARTIN S. BEHINER, County Recorder By MARTIN S. A.L. Septiment Poid

Grav Sand Sand Sand Sand O Small Wate Tan To Sand Sand Sand	Gervel	Owner	ADMINIST OFI  tice of C Appropr DEVEL (Under Chap CERNER WAL WELL D MP WELL D MP SUPPLY dice of approp arted lun en, bored or dr Domestic Industrial on the diagr drilling, such ich water is e leight to whice  Size and Weight of Casing	Completion Completion Completion COPED AI pter 237,	Cour OF MONT OF GROUN STATE E etion C by Mc FTER JAN Montana S Addre (Churn nicipal Churn nicipal Cainage aracter and clay, shale, cd, thickness in To (Feet)	ANA IDWATER IDWATER GOINEER GO	CODE  Jordwat  F Weil  1962  vs, 1961)  SECULA,  22 S. 14  SECULA,  Churn Dr.  y or other)  c	Montan  th w.  Montan  1970  iiii  gation [  erent street. Sh  ter-beari
Ground above sea le Grav Sand 2 Sand Wate 8 Sand 0 Small Wate 2 Tan 7 Sand 9 Sand 9 Sand Wate 165 Sand	Gevel	Owner	ADMINIST OFI  tice of C Appropr DEVEL (Under Chap DERNER WAL  UMP WELL D  MMP SUPPLY  dice of appropr  arted dum  Contact Industrial con the diagr drilling, such ich water is eneight to whice  Size and Weight of Casing  6"1.D. 17 lb	Completion of the soil, cencounterech the water the change of the soil, cencounterech the water the change of the	Cour OF MONT OF GROUN STATE E etion C by Mc FTER JAN Montana S Addre (Churn nicipal Churn nicipal Cainage aracter and clay, shale, cd, thickness in To (Feet)	ANA IDWATER NGINEER  F Grou Pans of UARY 1, ession Law  15  15  15  16  16  17  17  18  18  18  18  18  18  18  18	CODE  JINGWAT  FORM  GENERATION  FROM  FRO	Montan  th w.  Montan  1970  iiii  gation [  erent street. Sh  ter-beari
Ground above sea le Grav Sand 2 Sand Wate 8 Sand 0 Small Wate 2 Tan 7 Sand 9 Sand 9 Sand Wate 165 Sand	eel & Srown I and Gravel ity Clay and I and Clay Il Gravel & Or Clay If and water ity Clay ity sand & or If, Gravel & or	Owner	ADMINIST OFI  tice of C Appropr DEVEL (Under Chap DERNER WAL  UMP WELL D  MMP SUPPLY  dice of appropr  arted dum  Contact Industrial con the diagr drilling, such ich water is eneight to whice  Size and Weight of Casing  6"1.D. 17 lb	Completion of the soil, cencounterech the water the change of the soil, cencounterech the water the change of the	etion coby Me STATE E  etion coby Me STER JAN  Montana S  Addre  groundwa  g	DWATER NGINEER F Grou Pans of UARY 1, ession Law ss. Mi 15 ss. Mi ter. Stock other thickness gravel, rotar stock other thickness stock other thickness gravel, rotar stock other thickness sto	Jundwat F Weil 1962 vs, 1961) secula, 22 S. 14 secula, where the control of the difference of water	Montanish W. Monish 1970.  1111.  arent street. Sher-bearing To (Feet)
above sea le Grav Sand Sand Sand Sand O Smale Wate Tan T Sand Sand Sand Sand Sand Sand Sand Sand	el & Brown I and Grave I and Glay I and Clay Il Gravel & Or Clay I and water Iy Glay Ity sand & Or Ity Gravel & Or	Owner	tice of C Appropr DEVEL  (Under Chap  CERNER WAL  MP WELL D  MMP SUPPLY  dice of approp  arted Jun  Con the diagr  drilling, such ich water is e neight to which  Size and  Weight of Casing  6"1.D. 17 16	Completion Completion COPED AI Deter 237,  COPED AI	STATE E  by Me  FTER JAN  Montana S  Addre  groundwa  1920 Date ( Churn  nicipal   rainage   aracter and clay, shale, d, thickness in   To (Feet)  1685	GANS OF GROUND AND AND AND AND AND AND AND AND AND A	Jundwat F Weil 1962 vs, 1961) secula, 22 S. 14 secula, where the control of the difference of water	Montanish W. Monish 1970.  1111.  arent street. Sher-bearing To (Feet)
Grav Sand Sand Sand Sand Sand Sand Sand Sand	el & Brown I and Grave I and Glay I and Clay Il Gravel & Or Clay I and water Iy Glay Ity sand & Or Ity Gravel & Or	Owner	Appropr DEVEL (Under Cha)  DERNER WAL  WP WELL D  MP SUPPLY  dice of approp  arted Jun  Domestic Industria  on the diagr drilling, such ich water is eleight to which  Size and  Weight of Casing  6"1.D. 17 lb	pter 237,  DORF  DRILLING  priation of pri	Montana S  Addre  Tegroundwa  2270 Date of  (Churn nicipal  rainage  aracter and clay, shale, od, thickness in  To (Feet)  1685	eans of UARY 1, 1 ession Law 15 ession Law 15 ess	F Weil  1962  vs, 1961)  secula,  22 S. 14  secula,  slung 24,  sl	Montar  th W.  Montar  1970  1111  erent street. Sh ter-bear
Sand   I and Gravel by Clay and or I and Clay Il Gravel & or Clay If and water by Glay by sand & or d, Gravel & or	Owner	Under Chap  CERNER WAL.  UMP WELL D  MMP SUPPLY  dice of approp  arted	pter 237,  DORF  REILLING  priation of the 19, 11  lad rilled)  c	Montana SAddre  Addre  groundwa  groundwa  (Churn nicipal  rainage  aracter and clay, shale, d, thickness ter rises in	uary 1, iession Law ss	1962 vs, 1961) ssoula	1970  1111  gation  erent streetc. Sheter-bear	
Sand   I and Gravel by Clay and or I and Clay Il Gravel & or Clay If and water by Glay by sand & or d, Gravel & or	Owner	CUnder Chap  CERNER WALL DAMP WELL DAMP SUPPLY  Sice of approparted June  Commented Industrial  con the diagraphic drilling, such ich water is eneight to which of Casing  Size and Weight of Casing  6"1.D.  17 16	printion of printi	Montana S  Addre  Groundwa  1970 Date (Churn  nicipal   rainage   aracter and clay, shale, dd, thickness ter rises in  70 (Feet)  1685	ession Law  15  15  15  15  15  15  16  16  16  17  17  17  17  18  18  18  18  18  18	SECULIA.  22 S. 14  24 S. 14  25 S. 14  26 S. 14  27 S. 14  27 S. 14  28 S. 16  28 S.	1970  1111  gation  erent streetc. Sheter-bear	
2 Sand Wate 8 Sand 0 Small Wate 2 Tan 7 Sand 9 Sand 38 Sili Wate 4 Sand	dy Clay and or and Clay it Gravet & Clay d and water dy Clay ty sand & er d, Gravet & er	Owner	ice of approparted	priation of principle of the man the ch has soil, encountered the water the	Addre	ter	22 S. 14 2224. Auna 24.  Shuna 24.  Churn Dr.  y or other)  c	1970  1111  gation  erent streetc. Sheter-bear
Wate  8 Sand  O Small  Wate  2 Tan  7 Sand  9 Sand  38 Sili  Wate  465 Sand  Wate	i and Clay Il Gravel & Or Clay If and water ity Clay Ity sand & Or Ity Ity Sand & Or	Driller	ice of approparted	priation of principle of the man the ch has soil, encountered the water the	Addre	ter	22 S. 14 2224. Auna 24.  Shuna 24.  Churn Dr.  y or other)  c	1970  1111  gation [ erent streetc. Sh ter-bear
O Small Water 2 Tan 7 Sand 9 Sand Water 165 Sand Water	Il Gravel & or Clay d and water dy Glay ty sand & or correct de Gravel & or correct de Grav	Date of Not Date well st Type of we (Dug, Driv Water use:  Indicate met with in depth at wh strata and to Drilled Hole	arted	priation of the man of the man the chas soil, cencountered (Feet)	groundwa  1970.Date ( Churn nicipal   rainage   aracter and clay, shale, dd, thickness ter rises in	completed  ant used  drill, rotar;  Stock Other  thickness gravel, rocs s and charathe well.	Auna 24.  Churn Dr y or other)  C	ration crent streets. Sh
Wate  2 Tan  7 Sanc  9 Sanc  38 Sili  Wate  .165 Sanc	cr Clay I and water Iy Glay Ly sand & er d, Gravel &	Date well st  Type of we (Dug, Driv  Water use:  Indicate met with in depth at wh strata and because of Drilled Hole	arted	rilled) c  Mu rilled) ram the ch h as soil, encountere ch the wat  From (Feet)  1.6" above	2970 Date (Churn icipal   rainage	ompleted ont used drill, rotar; Stock Other thickness gravel, rocs and charathe well.  Kind Size Mills	ChurnDr. y or other)  c	ration creates streets. She ter-bear
9 Sand 9 Sand 38 Sili Waid 165 Sand Wate	d and water dy Glay ty sand & er d, Gravel &	(Dug, Driv Water use:  Indicate met with in depth at wh strata and t  Size of Drilled Hole	Domestic Industrial on the diagram drilling, such ich water is eleight to which weight of Casing 6"1.D.	rilled) c Mu d Dr ram the ch h as soil, encounterech the wat	(Churn nicipal  rainage  aracter and clay, shale, d, thickness ter rises in  To (Feet)  1685	Stock Other Stock Other thickness gravel, ros and charthe well.	y or other)    Irrig   Irrig   of the diffe   ck or sand,   acter of wa   ERFORATION     From (Feet)	gation [ erent str. etc. Sh ter-bear
9 Sand 9 Sand 38 Sili Waid 165 Sand Wate	d and water dy Glay ty sand & er d, Gravel &	Water use:  Indicate met with in depth at wh strata and b	Domestic Industrial on the diagram drilling, such ich water is eneight to which weight of Casing 6"1.D.	e Mu ll Dr ram the ch h as soil, encountere ch the wat  From (Feet)  1°6" above	nicipal  rainage  aracter and  clay, shale,  d, thickness  ter rises in  To  (Feet)  1685.	Stock Other thickness gravel, rocs and charathe well.  Find Size Mills	Irrig  r	erent streetc. Sh
9 Sand 38 Sili Waid 165 Sand Wate	ly Glay ty sand & er d, Gravel &	Indicate met with in depth at wh strata and l	on the diagr drilling, such ich water is eneight to which Size and Weight of Casing 6"1.D. 17 lb	ram the ch h as soil, encountere ch the wat  From (Feet)  106"	aracter and clay, shale, d, thickness ter rises in	thickness gravel, roos s and charathe well.  Risa Size	of the diffeck or sand, actor of was ERFORATION (Feet)	etc. Sh ter-bear
38 Sili Waid .165 Sand Wate	ty sand & er d, Gravel & er	met with in depth at wh strata and b	drilling, such ich water is e neight to which weight of Casing 6"1.D.	h as soil, dencountered the wat	clay, shale, ed, thickness ter rises in	gravel, roos and character well.  Rind Size	ck or sand, acter of wa  ERFORATION  From (Feet)	etc. Sh ter-bear
Waie 165 Sand Wate	er d, Gravel & er	Size of Drilled Hole	Size and Weight of Cating  6"1.D. 17 Lb	From (Feet)  19611  above	To (Feet)	Kind Size	From (Feet)	To (Feet)
Wate	er .	Drilled Hole	Weight of Caning 6"1.D. 17 Lb	(Feet)	(Feet)	Kind Size M& L L a	From (Feet)	To (Feet)
	•	6" 1.0	17 lb	above	1	Milla	l '	1
	· · · · · · · · · · · · · · · · · · ·		per ft.	g.l.				162
				ľ	1	knife 3/2 x	5 holes 6" apas	
•				ĺ		3"	total 1	00 ho
			N		Static Wat	er Level	for non-flo	wing w
292	83/				ihnt in Pro	mura for T	lowing Wel	
or record	· Oulu		~				l3	
day o .y	2.03	Z W		B _			. per minut	
- Ma				1	Discharge 1	ı gal. per	min. of flo	owing w
							oarundmo	c
		L'-	<u> </u>				king, cemer	
		1/ ~	24 14M			_		
			cation of we	ell and -				
		small squa						
							_	
		USE—If u	sed for irriga	ation, ind	ustrial, dr	inage or	other. Ex	plain, st
						(1.U. i	,	
			*	**************	***************************************		,	
			place of use small squa acres.  USE—If us numb	Indicate location of we place of use, if possible small square representacres.  USE—If used for irrig	Indicate location of well and place of use, if possible. Each small square represents 40 acres.  USE—If used for irrigation, ind number of acres and location	Indicate location of well and place of use, if possible. Each small square represents 40 acres.  USE—If used for irrigation, industrial, dri	Indicate location of well and place of use, if possible. Each small square represents 40 acres.  (Con USE—If used for irrigation, industrial, drainage or	Indicate location of well and place of use, if possible. Each small square represents 40 acres.  (Continue on re USE—If used for irrigation, industrial, drainage or other. Ex number of acres and location or other data (i.e.: Lot, Block

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Drilling & PUMP SUPPLY

46660

I received and tiled this Instrument for record on the State of Amba 1972.

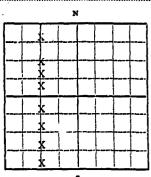
a. 3. 35 oclock f. M. bermoom tiles of Missoula County. State of Montana Witness my hand.

Veranae R. Cruse. County Recorder By M. M. Cruse County Recorder By M. Cruse Recorder By M. Crus

ACTOR VILLET CONCENTRATION	N BOARD Approved Stock Form—State Publishing Co., Helena, Montana—42234
File No	T 14 N R 21 W
OUPLICATE Balle McDermott	County Mussoula
Be: McNulty	STATE OF MONTANA
Dur nian Sandani	STRATOR OF GROUNDWATER CODE
ElekartO	PFICE-OF STATE ENGINEER
	of Vested Groundwater Rights hapter 237, Montana Session Laws, 1961)
Waven w Dans	Address) & (Town)
(Name of Appropriator)	(Address) (Town)
County of Management of County of	State of January 1, 1962, as follows:
N	
	2. The beneficial use on which the claim is based
	Lamestic purposes
	3. Date or approximate date of carliest beneficial use; and how continu
	ous the use has been since 1958
Y E	
	4. The amount of groundwater claimed (in miner's inches or gallons
	per minute) approximately 40 galo per
X	
	<ol><li>If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof</li></ol>
25	
YE1/SW Sec. T. 14R.21	······································
Indicate point of appropriation and place of use, if possible. Each amall square represents 10 acres.	6. The means of withdrawing such water from the ground and the loca
	tion of each well or other means of withdrawal
	tion of each well or other means of withdrawal
7. The date of commencement and condrawal of groundwater.	npletion of the construction of the well, wells, or other works for with
drawal of groundwater.	npletion of the construction of the well, wells, or other works for with
drawal of groundwater.	npletion of the construction of the well, wells, or other works for with
8. The depth of water table	npletion of the construction of the well, wells, or other works for with  know  kype, size and depth of each well or the general specifications of any other
8. The depth of water table	npletion of the construction of the well, wells, or other works for with a salar well with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of th
8. The depth of water table	Inpletion of the construction of the well, wells, or other works for with a construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of t
8. The depth of water table	npletion of the construction of the well, wells, or other works for with a salar well with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of the well, wells, or other works for with the construction of th
8. The depth of water table	npletion of the construction of the well, wells, or other works for with a salvanial specifications of any other ater.
8. The depth of water table	inpletion of the construction of the well, wells, or other works for with a survey, size and depth of each well or the general specifications of any other ater.  Hun Casing  er withdrawn each year. Do not Anou.
8. The depth of water table	npletion of the construction of the well, wells, or other works for with a salvanial specifications of any other ater.
8. The depth of water table	inpletion of the construction of the well, wells, or other works for with a survey, size and depth of each well or the general specifications of any other ater.  Hun Casing  er withdrawn each year. Do not Anou.
8. The depth of water table	Inpletion of the construction of the well, wells, or other works for with a supple, size and depth of each well or the general specifications of any other ater.  Hen Caseny  er withdrawn each year. Do not know the drilling of each well if available.
8. The depth of water table	inpletion of the construction of the well, wells, or other works for with a survey of the size and depth of each well or the general specifications of any other ater.  Hun Casary  er withdrawn each year Do not Answer  the drilling of each well if available not known  nature as may be useful in carrying out the policy of this act, including
8. The depth of water table	Inpletion of the construction of the well, wells, or other works for with a supple, size and depth of each well or the general specifications of any other ater.  Hen Caseny  er withdrawn each year. Do not know the drilling of each well if available.
8. The depth of water table	Inpletion of the construction of the well, wells, or other works for with a survey of the size and depth of each well or the general specifications of any other ater.  Her withdrawn each year Donal Law at the drilling of each well if available and known at the drilling of each well if available and known and the policy of this act, including ounty record and known.
8. The depth of water table	Inpletion of the construction of the well, wells, or other works for with a survey of the size and depth of each well or the general specifications of any other ater.  Her withdrawn each year Donal Law at the drilling of each well if available and known at the drilling of each well if available and known and the policy of this act, including ounty record and known.
8. The depth of water table	Inpletion of the construction of the well, wells, or other works for with a surveyor, size and depth of each well or the general specifications of any otherater.  Hun Casary  er withdrawn each year Do not known  the drilling of each well if available not known  nature as may be useful in carrying out the policy of this act, including ounty record  Not known  Signature of Owner Names & Danker
8. The depth of water table	Inpletion of the construction of the well, wells, or other works for with a survey of the size and depth of each well or the general specifications of any other ater.  Her withdrawn each year Donal Law at the drilling of each well if available and known at the drilling of each well if available and known and the policy of this act, including ounty record and known.

ful in carrying out the policy of this act.By...the...
drilling of test wells and through
investigations conducted by the US
Geological Survey, Montana Bureau Of
Mines and Appropriator...A large aquiferw
capable of producing clear sand free,
uncontaminated water has been found at
this location Through the drilling of
wells and proper management thereafter,
Appropriator plans to develop this as
a dependable long range source of water
supply for their operations in this
area.

\_\_\_\_\_



SW. 14... 14 Sec. 25... T14NR 21W

Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Allege forming typen look (
Date April 14, 1966

\* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artifically withdrawn."

Three copies of this notice are to be filed with County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

I received and filed this Instrument for record on the 2 ... day old and 1966... d. 10... 30... clockf. M. permanent files of Missoula County, State of Montana Witness my hand:

Veramae R. Crouse, County Recorder Deputy Per \$2.00... Paids.

GW	1

`	^	<
	- 1	

	Approved Stock Form-State	Publishing Co., Helena, Montana—39089
	No	T 14N R 21W
Ľ	PLICATE &	County Micsoula
	PLICATE ENGINEERING OF GROUNDWA OFFICE OF STATE ENGIN OFFICE OF STATE ENGIN (Under Chapter 237, Montana Session Rockner Waldorf Corporation of Drawe	ATER CODE EER Groundwater
	(Name of Appropriator) (Ac County of Missoula State of Montan	idress) (Town)
	propriate groundwater in accordance with Chapter 237, The beneficial use to which water is to be applied is	Montana Session Laws of 1961.
	(describe lands to be benefited, if for irrigation)	
3.	The rate of use in gallons per minute or miner's inches of 2000 GPM	f groundwater claimed
4.	The annual period (inclusive dates) of intended use	ontinuous
i.	The probable or intended date of first beneficial use	uly 1973
•	The probable or intended date of commencement and com June. 1973 July, 1973	
	The location, type, size and depth of well or wells content of the Drilled - Eighteen inch - 162 ft.	
	The probable or estimated depth of the water table or an	
	Name, address and license number of the driller engaged  Drilling Company, Water Well Contractor Contractors License No. 1592 Class	
3.	Give such other similar information as may be useful	×
	in carrying out the policy of this act. Drilling,	
1	Furnishing and Installing Casing & Drive Shoes as necessary, Sampling,	
•	Screening, Daveloping and Capacity	
•	Tauting on aightage inch soil	w   -   -   -   -   -   -   -   -   -
	***************************************	¥
		x
		<b>X</b>
	File 2500, 333/94	W ½ Sec 25 T 14N <sub>B</sub> 21
	Date June 12, 1973 -	W 1/2 Sec. 25 T 14N R21 Locate well or other means development as accurately
	Date June 12, 1913	W 1/2 Sec. 25 T 14NR21 Locate well or other means development as accurately possible on the mat.
	Date June 12, 1973 -	W 1/2 Sec. 25 T 14NR21 Locate well or other means development as accurately possible on the mat.

however made, by which groundwasures or is artificially withdrawn."

Three copies of this notice are to be filed with County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

I received and this dissinstrument for record on the 12 day of 1973 at \$4.00 o'clock A M. p. manent files of Missoula County, blate of Mentana Witness my hand:

Dopothy L. Head, County Recorder By State M. Security Deputy Fee \$ 2.00 Paid Co.

DIFFIGURE  NOV 9 1866    County   Missoula   STATE OF MONTANA	W 2				STATE WATER CO	 CNSERVATION	Approved	Stock Form—			, Montana →4232	n 🍣 1
Top of Ground  LOG E. ADMINISTRATOR OF GROUNDWATER CODE  OPFICE OF COMPLETE NORTHANA  (Elev. above sea inval 2082)  Pormations Log:  O = 1% Black dirt.  Appropriation by Means of Well  DEVELOPED AFFER JANUARY 1: 1962  Appropriation by Means of Well  DEVELOPED AFFER JANUARY 1: 1963  Waldorf - Hoerner  Valdorf - Hoerner  The object of products of proportion of groundwater A-19/66.  mixed with sprayel about the gravel to be Notice of appropriation of groundwater A-19/66.  The rise brown Type of well Drilled Equipment used Cable Tools obblestones.  Fine brown Type of well Drilled (Guan diff, retay or other)  Wath a few gravels to tan clay in Indicate on the digram the character and thickness of the different strain alternative with in dilling, such as soil, clay, shale, gravel, rock or sand, etc. St. St. St. St. St. St. St. St. St. St	ile No.	W - 1	H N	o. Se	Aed		T DOMES		Т	/ •		25
Top of Ground  Caller, above see level 2088   Notice of Completion of Groundware Code  (Eler, above see level 2088   Notice of Completion of Groundware Code  O	UPLIC	ATE							Cou	nty Mis	soula.	
Cler. above see level 2088   Notice of Completion of Groundwater				1	og Esti						, doba	-
(Eler. above sea level 2082)    Contactions Log:   O - 1% Black dirt.   1% - 19 Sand, gravel, cobblestones   DEVELOPED AFTER LANUARY 1 1962     Sand, gravel, cobblestones   DEVELOPED AFTER LANUARY 1 1962     Sand, gravel, cobblestones   Waldorf - Hoerney   Waldorf -		Ton	of G	hana							, ດດກ <b>ັ</b> ຂັ	
Pormations Log:   Appropriation by Means of Wall   0   1   1   1   1   1   1   1   1   1	-	1						omple	tion o	of Grai	ındwất	
1% - 19 Sand, gravel, cobblestones & boulders   Under Chapter 237, Montana Session Laws, 1961												G!
1% - 19   Sand, gravel, cobblestones   Waldorf - Hoerner   With some   Owner Paper Products Co.   Address Missoula, Montans   Waldorf - Hoerner   With some   Owner Paper Products Co.   Address Missoula, Montans   Instit mixed with   State   Waldorf - Hoerner   Waldorf - Hoerner   Waldorf - Montans   Instit mixed with   Gravel & Date of Notice of appropriation of groundwater.   A/19/66.   Date completed 9/12/66.   Date completed 9/12/66.   Date of Notice of appropriation of groundwater.   A/19/66.   Date of Notice of appropriation of groundwater.   Date of Notice of appropriation of groundwater.   Date of Notice of A/19/66.   Date of Notice of appropriation of groundwater.   Date of Notice of A/19/66.   Date of A/19/66.   Date of A/19/66.   Date of Notice of A/19/66.	-	_	<b>a</b> t 1			•	DEVELO	PED AF	EER JAN	WARY 1	1962	
boulders with some Owner Paper. Products. Co		1%	-	19								i j
with some tan to gray silt mixed in to gray silt mixed with gravel k oobblestones.  19 - 27 Tan silt maked with gravel k oobblestones.  27 - 11 Fine brown Type of well brilled Chan dill, vitary or cherry gravels k tan clay in thin alternated with in drilling, such as soil, clay, shale, gravel, rock or said, etc. and sixed with a few water second content of the content of the clay with a few water second content of the clay with a few water second content of the clay with a few water second content of the clay with a few water second content of the clay with a few water second content of the clay with a few water second content of the clay with a few water second content of the clay with some gravel beat with in drilling, such as soil, clay, shale, gravel, rock or said, etc. and this water is encountered, thickness of the different structure and thin thin all structure and thin thin all structure and thin thin all structure an	_					_	_				, 2002)	
silt mixed in.  19 - 27 Tan silt	_								Addre	ess. <b>Niss</b> o	ula,Mo	ntana
in.  19 - 27 Tan silt Date of Notice of appropriation of groundwater. \$\frac{19/56}{19/66}\$  gravel & Date well started. \$\frac{8/23/66}{23/66}\$  Date completed. \$\frac{9/12/66}{26}\$  cobblestones.  27 - \$\frac{1}{1}\$ Fine brown Type of well. \$\frac{\text{Drivent used.Cable.Tools}}{\text{Communication of the communication of the communication of the cobblestones.}}  28 - \$\frac{1}{1}\$ Fine brown Type of well. \$\text{Drivent used.Cable.Tools}}{Communication of the communication of the communicatio	<b>-</b>					Driller L. 1 ba	rêw Drill	line.C	o Addre	ess.Mi.eso	ulaMa	
mixed with gravel & Date well started 8/23/66. Date completed 9/12/66 cobblestones.  27 - \$1 Fine brown Type of well. Drilled	_				in.		-	_	•		•	
gravel & Date well started \$\( \textit{8}/23/66\) Date completed \( \textit{9}/12/66\) cobblestones.  27 - 11 Fine brown Type of well. \( \textit{Drillad.} \) Equipment used \( \textit{Chum drill.} \) reduce \( \text{Chum drill.} \) reduce \( Chum	_	19	-	27		Date of Noti	ce of appropr	riation of	groundwa	nter9/119	/.bb	***************************************
27 - \$1 Fine brown Type of well. Drilled Squipment used.Cable Tools.  Sand mixed (Dug. Driven, bord or drilled)  With a few Water use: Domestic   Municipal   Stock   Irrigation    gravels & tan clay in Indicate on the diagram the character and thickness of the different at thin alternafe with in drilling, such as soil, clay, shale, sared, rock or sand, etc. Sl. layers, depth at which water is encountered, thickness and character of water-bear state and beight to which the water rises in the well.  28	_	l			gravel &		rted8/.23	<u> </u>	Date	completed	9/12/66	)
sand sixed Ong, Driven, bored or drilled) (Churn drill, rotary or chigation   gravels & tan clay in this afew Water use: Domestic   Municipal   Stock   Irrigation   Gravels & tan clay in thin alternation with drilling, such as soil, day, sale, gravels of the different structured in drilling, such as soil, day, sale, grave, roke or sand, etc. SI layers, depth at which water is encountered, thickness and character of water-bear strata and height to which the water rises in the well.    10	_	27	_	41			lDrilla	d	Equipm	ent used.C	ableTo	ols
gravels & tan clay in Indicate on the diagram the character and thickness of the different strain alternates with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Si depth at which water is encountered, thickness and character of water-bear depth at which water is encountered, thickness and character of water-bear strains and height to which the water rises in the water ri	 	]			sand mixed	(Dug, Drive	n, bored or dri	lled)	(Chur	n drill, rotar	y or other)	
tan clay in thin alternate with in drilling, such as soil, clay, shale, gravel, rock or sand, cto. Since the different strain alternate with in drilling, such as soil, clay, shale, gravel, rock or sand, cto. Since the different strains and provided the source of the different strains and, clay strains and relation to the source of the different strains and the source of the different strains and the source of the different strains and the source of t	L					Water use:		- <b>=</b>	=		_	ration [
thin alternate with in drilling, such as soil, clay, shele, gravel, rock or sand, etc. Site of the sand of the sand of the sand haracter of water-bear strate and height to which the water rises in the well.    1		Ì			tan clay in		on the diagra	m the cha	racter an	d thickness	of the diffe	erent strata
style and height to which the water rises in the well.    State   Stat	L					So with in	drilling, such	as soil, c	lav. shale	. gravel, ro	ek or sand.	etc. Show
Some gravel   Brief   Weekle   Cost   Cost   Cost   East   Cost   East	L	41	-	53		strata and he	eight to which	the water	r rises in	the well.	dolor or wa	
imbedded. Rote of Camba 18" OD 18" OD 18" OF She of Camba 18" OD	L									1	PERFORATION	
sand mixed with tan silt.  64 - 90 Brown sandy clay with gravel imbedded.  90 - 94 Gray sand and gravel mixed with tan silt.  94 - 104 Gravel imbedded N Static Water Level for non-flowing in reddish tan clay.  104 - 107 Very fine tan silty sand, gravel and cobblestoness Coarse gravel imbedded in tan clay.  107 - 110 Very fine tan silty sand & Cobblestoness Coarse gravel imbedded in tan clay.  110 - 113 Fine tan sand mixed with very coarse Nu. 1/28 Sec. 25. Tlan R. 21w gravel & Indicate location of well and cobblestonesials equare represents 40 Ts set from 109 Test to 1 Ts fine tan sands and with well graded as follows:  121 - 134 Fine tan sand sumber of acres and location or other data (i.e.: Lot, Block and A time to coarse gravels.  122 - 134 Fine tan sand with well graded fine to coarse gravels.  Show exact depth of bottom.	_	1				Hole	of Casing	(Pest)	(Fee)			
with tan silt.  Brown sandy clay with gravel imbedded.  90 - 94 Gray sand and gravel mixed with tan silt.  94 - 104 Gravel imbedded not tan silt.  94 - 107 Very fine tan silty sand, gravel and cobblestoness and cobblestoness in tan clay.  107 - 110 Very fine tan silty sand a cobblestoness in tan clay.  110 - 113 Fine tan sand mixed with gravel & indicate location of well and cobblestoness and cobblestoness are cobblestoness and cobblestoness and cobblestoness are silty sand and mixed with gravel & indicate location of well and cobblestoness are cobblestoness are represents 40 in set troublest ones place of use, if possible. Each redded Armco Iron Well Set in Set Trom 109 Test to 1 feet. The slot openings well graded fine to coarse gravels.  121 - 154 Fine tan sand sand with well graded fine to coarse gravels.  Show exact depth of bottom.		53	-	64		18"		A308	,,,	1		1
with gravel imbedded.  90 - 94 Gray sand and gravel mixed with .  94 - 104 Gravel imbedded N Static Water Level for non-flowing in reddish tan clay.  104 - 107 Very fine tan silty sand & cobblestoness of coarse gravel and cobblestoness of mixed with gravel & Indicate location of well and cobblestoness and mixed with gravel & Indicate location of well and cobblestoness are sared and cobblestoness are sared in gravel & Indicate location of well and cobblestoness are of suc, if possible. Each vith fuirly acres.  113 - 121 Fine tan saredall square represents 40  115 - 124 Fine tan saredall square represents 40  126 Show exact depth of bottom.  127 - 134 Fine tan saredal square represents 40  128 - 134 Fine tan saredal square represents 40  129 - 134 Fine tan saredal square represents 40  120 - 134 Fine tan saredal square represents 40  120 - 134 Fine tan saredal square represents 40  121 - 134 Fine tan saredal square represents 40  122 - 134 Fine tan saredal square represents 40  123 - 124 Fine tan saredal square represents 40  125 - 126 Fine tan saredal square represents 40  126 - 127 Fine tan saredal square represents 40  127 - 134 Fine tan saredal square represents 40  128 - 129 Fine tan saredal square represents 40  129 - 120 Fine tan saredal square represents 40  120 - 125 Fine tan saredal square represents 40  120 - 125 Fine tan saredal square represents 40  121 - 122 Fine tan saredal square represents 40  123 - 124 Fine tan saredal square represents 40  125 - 126 Fine tan saredal square represents 40  126 - 127 Fine tan saredal square represents 40  127 - 128 Fine tan saredal square represents 40  128 - 129 Fine tan saredal square represents 40  129 - 120 Fine tan saredal square represents 40  129 - 120 Fine tan saredal square represents 40  120 - 125 Fine tan saredal square represents 40  120 - 125 Fine tan saredal square represents 40  121 - 122 Fine tan saredal square represents 40  123 - 124 Fine tan saredal square represents 40  125 - 126 Fine tan saredal square represents 40  126 - 127 Fine tan saredal		Į .				1t.	* * >/ >	+50				
90 - 94 Gray sand and gravel mixed with tan silt.  94 - 104 Gravel imbedded in reddish tan clay.  104 - 107 Very fine tan silty sand, gravel and cobblestoness X Shutin Pressure for Flowing Wolkon—Pumping Water Level		64	-	90						Armco I		
gravel mixed with solid closed bottom    94 - 104   Gravel imbedded   N   Static Water Level for non-flowing in reddish tan clay.   104 - 107 Very fine tan silty sand, gravel and cobblectoness   Non-flowing in silty sand & coarse gravel imbedded in tan clay.   Discharge in gal. per min. of flowing silty sand & coarse gravel imbedded in tan clay.   Length of Test. 34% hours   Non-flowing water Level	Γ	90	_	94			3	144	165	Tail pi	,	
94 - 104 Gravel imbedded in reddish tan clay.  104 - 107 Very fine tan silty sand, gravel and cobblestoness limbedded in tan clay.  107 - 110 Very fine tan silty sand & coarse gravel imbedded in tan clay.  110 - 113 Fine tan sand sery:  110 - 115 Fine tan sand sery:  110 - 121 Fine tan sand sery:  111 - 121 Fine tan sand sery:  112 - 134 Fine tan sand sery:  113 - 121 Fine tan sand sery:  124 Sery:  125 Sery:  126 Show erset depth of bottom.  Static Water Level for non-flowing sery:  Shut-in Pressure for Flowing Wellon—  Pumping Water Level						d with,		ì				
in reddish tan clay.  104 - 107 Very fine tan silty sand, gravel and cobblestonest  107 - 110 Very fine tan silty sand & coarse gravel imbedded in tan clay.  110 - 113 Fine tan sand mixed with very coarse Nu 1/SW Sec.25 Tlan R 21v gravel & Indicate location of well and cobblestonestate of use, if possible. Each cobblestonestates of use, if possible. Each 113 - 121 Fine tan sandall square represents 40 with fuirly acres.  well graded as follows: gravels.  121 - 134 Fine tan sand with well graded fine to coarse gravels.  Contd.  Show exact depth of bottom.		94	_	1.04		dded	N	<u>'</u>	-44 - 37-	Ann I amal	for mon fi	
Shut-in Pressure for Flowing Welkon- gravel and cobblestoness  107 - 110 Very fine tan silty sand & coarse gravel imbedded in tan clay.  110 - 113 Fine tan sand mixed with very coarse Nu. 1/2SM Sec. 25. Tian R. 21w gravel & Indicate location of well and cobblestoneshace of use, if possible. Each 113 - 121 Fine tan sandall square represents 40 with fuirly acres. well graded as follows: gravels.  121 - 154 Fine tan sand with well graded fine to coarse gravels. Contd.  Show exact depth of bottom.  Show exact depth of bottom.						<del></del>	<del>~~~~</del>	一	refic aa	ret Devel		• •
Pumping Water Level		104	-	107		an		l g	hut-in Pr	essure for F		<b>-</b>
cobblestoness 107 - 110 Very fine tan X  lity sand & coarse gravel imbedded in tan clay.  110 - 113 Fine tan sand mixed with very coarse Nu. 1/SM Sec.25. TIAN R. 21w gravel & Indicate location of well and cobblestoneshace of use, if possible. Each with fuirly acres.  113 - 121 Fine tan sand square represents 40 with fuirly acres.  well graded as follows: gravels.  121 - 134 Fine tan sand with well graded fine to coarse gravels.  Show exact depth of bottom.											•	
Discharge in gal. per min. of flowing  Non-flowi  Non-flowi  How Tested Air Lift Pump  Length of Test 34% hours  Remarks: (Gravel packing, cementing, p  ers, type of shutoff) An 18 included coablest one splace of use, if possible. Each  113 - 121 Fine tan sand all square represents 40  with fuirty acres.  well graded as follows:  gravels.  121 - 154 Fine tan  sand with  well graded fine to coarse gravels.  contd.  Show exact depth of bottom.	Γ	]						_  _				
How Tested Air Lift Pump  Length of Test. 34% hours  Remarks: (Gravel packing, cementing, p  mixed with  very coarse Nu. 1/25W Sec. 25. Tlan R. 21W  gravel & Indicate location of well and  cobblestonesplace of use, if possible. Each  113 - 121 fine tan sandall square represents 40  with fuirly acres.  well graded as follows:  gravels.  121 - 134 Fine tan  sand with  well graded fine to coarse  gravels.  Continue on reverse a  number of acres and location or other data (i.e.: Lot, Block and A  tion).  Show exact depth of bottom.		107	-	110	Very fine t	an X		ם	ischarge	in gal. per	min. of fl	lowing well
imbedded in tan clay.  Length of Test												_
Remarks: (Gravel packing, cementing, p mixed with very coarse Nu. 1/25 Sec. 25. Tlan R. 21 gravel & Indicate location of well and cobblestonesplace of use, if possible. Each 113 - 121 Fine tan sardall square represents 40 is set from 109 feet to 1 with fuirly acres.  well graded as follows: gravels.  121 - 134 Fine tan sand with well graded fine to coarse gravels.  Continue on reverse a number of acres and location or other data (i.e.: Lot, Block and A fine to coarse gravels.  Show exact depth of bottom.					imbedded in			1			-	_
mixed with very coarse Nu. 1/2M Sec. 25. Tlan R. 21W gravel & Indicate location of well and cobblestone place of use, if possible. Each 113 - 121 fine tan sardall square represents 40 with fuirly acres.  well graded as follows: gravels.  121 - 134 Fine tan sand with well graded fine to coarse gravels.  contd.  Show exact depth of bottom.		1110	_	113		nd	5		_			_
gravel & Indicate location of well and cobblestonesplace of use, if possible. Each rodded Armco Iron Well Sc 113 - 121 Fine tan samual square represents 40 Is set from 109 feet to 1 with fuirly acres.  well graded as follows: gravels.  121 - 134 Fine tan sand with USE—If used for irrigation, industrial, drainage or other. Explain, number of acres and location or other data (i.e.: Lot, Block and A fine to coarse gravels.  Contd.  Show exact depth of bottom.	Γ				mixed with					•		•. •
cobblestonesplace of use, if possible. Each rodded Armco Iron Well Sc with fuirly acres.  Well graded as follows:  gravels.  121 - 134 Fine tan sand with USE—If used for irrigation, industrial, drainage or other. Explain, number of acres and location or other data (i.e.: Lot, Block and Afine to coarse gravels.  Contd.  Show exact depth of bottom.	Γ	1			very coarse	Nu4sh Sec	.25. TLAN	n.zlw ,				
with fuirly scres.  well graded as follows:  gravels.  121 - 134 Fine tan sand with well graded fine to coarse gravels.  contd.  Show exact depth of bottom.  Feet. The slot openings.  (Continue on reverse a number of acres and location or other data (i.e.: Lot, Block and A tion).  Pulp & Paper Will  Show exact depth of bottom.		<b>.</b>			cobblestone	place of use	, if possible.	Each I	bebbo:	Armco :	Iron We	11 Scre
well graded as follows:  gravels.  121 - 134 Fine tan sand with USE—If used for irrigation, industrial, drainage or other. Explain, on number of acres and location or other data (i.e.: Lot, Block and Attion).  fine to coarse gravels. contd. Show exact depth of bottom.		1113	-	121			re represent					
121 - 134 Fine tan sand with USE—If used for irrigation, industrial, drainage or other. Explain, and successful to the s					well graded	as foll	IRWO					
sand with USE—If used for irrigation, industrial, drainage or other. Explain, on the control of series and location or other data (i.e.: Lot, Block and A tion).  gravels. Pulp & Paper Will  contd. Show exact depth of bottom.	-	127	_	7 24		10	***************************************	**********		(Co	ntinue on r	everse side)
fine to coarse gravels. Pulp & Paper Hill contd.  Show exact depth of bottom.		1	_	1)7		USE—If us	ed for irriga	tion, ind	nstrial, d	rainage or	other. Ex	cplain, state
gravels. ——Pulp & Paper Will ——————————————————————————————————					•	tion).		na locatio	n or othe	r data (1.6.	: Lot, Bloc	к вид Адді
Contd. Show exact depth of bottom.	<b> </b>				_		p&Pa <b>pe</b> 1	r-H111-				
900900000000000000000000000000000000000	-	1_			contd.							
	<u></u>	_		_	_	*****************	************	***************		***************	·····	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Bottom of hole 163'		рo	t t o	E OI	uo1e 103,							

This form to be prepared by driller, and three copies to be file. by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Driller's License Number Driller's Signature

41, 59 4 Formations Log contd,

134 - 139

Fine tan sand with fairly well graded gravels.
Fine tan sand mixed with coarse gravels and cobblestones. 139 144 - 144

- 152 Fine sand and coarse gravel mixed with reddish brown clay.

Company British & State of the wife of

Rock. Gray Limestone. 152 - 163

> "L'A """110"= 113 00/1000 s18t 115 - 121 121 - 134 90/1000 slot 100/1000 slot 134 - 139 139 - 144 90/1000 slot 80/1000 slot

The screen is fitted with a tightly swaged lead packer top and a 19 foot tail pipe with a solid closed bottom. All water entering the well is coming through the slots in this screen.

## Development Log:

Well was initially developed with a solid block surge, a valved surge and sand pump until gravel pack was built up around screen and formation stabilized. Development was then completed by surging and pumping with compressed air. During the air development phase well was pumped in excess of 4000 gallons per minute.

## Water Log:

Well was pumped at rates exceeding 4000 gallons per minute during development phase with compressed air. While accurate drawdown readings are not obtainable using this method of pumping all indications are that this well will produce 2000 gallons per minute with less tions are that this well will produce 2000 gallons per minute will produce 2000 gallons per minute will make then proving was stopped well recovered inineteen minutes after pumping was attached static water level at completion of well was 10°9° from stopped to the water rises in the well

10'9" from surface.

GW 1		•	25
File	NoPLICATE	T 14N R 21W	
DUPLICATE County Missoula			
	STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER C OFFICE OF STATE ENGINEER		BOARO
	Notice of Appropriation of Groundw	nior A. 18 1988	
	(Under Chapter 237, Montana Session Laws,		
1.	Waldorf - Hoerner Paper  Products Company of Drawer D.  (Name of Appropriata) (Address)  County of Missoula State of Montana  propriate groundwatar in accordance with Chapter 237, Montan	Missoula (Town) intend to ap-	
2.	The beneficial use to which water is to be applied is Industrial & Domestic supply		
	necessary for operation of paper products plant.  (describe lands to be benefited, if for irrigation)		
3.	The rate of use in gallons per minute or miner's & ches of groun	dwater claimed	
	Sixteen Thousand Gallons Per Minute		
4.	The annual period (inclusive dates) of intended use Jan. 1. through Dec. 31.		
5.	The probable or intended date of first beneficial use June 1. 1966		
6.	The probable or intended date of commencement and completion of the well* or wells*  Start 3/28/66: Complete one 2000 GPM unit every thirty days.		
7.	The location, type, size and depth of well or wells contemplated Sec 25 T. 14N R. 21W		
	18" to 24" wells; 150' to 180' deep		
8. 9.	The probable or estimated depth of the water table or artesian aquifer Aquifer 115 - 160; Water table approximately eight feet from surface.  Name, address and Meense number of the driller engaged Liberty Drilling & Pump Co. William F. Osborne, 2500 Reserve Street, Missoula, Montana Water Well Contractor License \$2. Public Contractor License \$15924		
10.	Give such other similar information as may be use-	<b>*</b>	•
- 2	ful in carrying out the policy of this actBy the drilling of test wells and through investigations conducted by the US. Geological Survey, Montana Bureau Of Mines and Appropriator. A large equiferw capable of producing clear sand free, uncontaminated water has been found at this location Through the drilling of wells and proper management thereafter. Appropriator plans to develop this as a dependable long range source of water supply for their operations in this area.		•
		%	
	do po	evelopment as accurately as ossible on the plat.	a -
	×W.c.	Affrit spermer fager brad Hold list Sery April 14. 1966	! lb.
* <i>I</i>	As defined in the Code Sec. 1 (c) "Well" means any artificial or ground, however made, by which groundwater can be obtained o	pening or excavation in the rthrough which it flows under	

natural pressures or is artifically withdrawn.

Three copies of this notice are to be filed with County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.